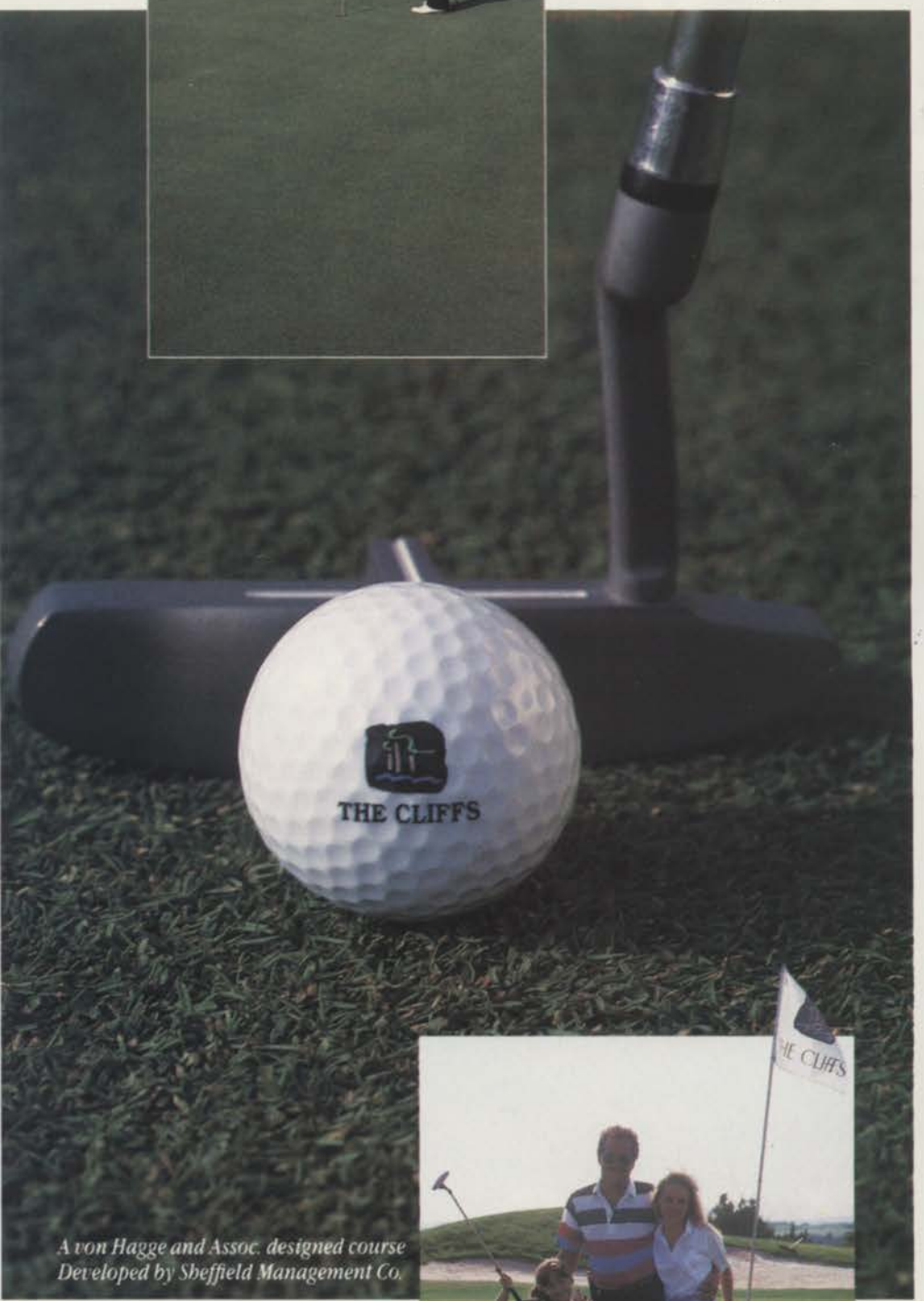
AN EDGELL PUBLICATION

$2.50 SEPTEMBER 1989

# LANDSCAPE MANAGEMENT

## 1990 BUYERS GUIDE

# PennLinks®
## is on top of it all at The Cliffs




*A von Hagge and Assoc. designed course*
*Developed by Sheffield Management Co.*

"Things are bigger here in Possum Kingdom, Texas. For instance, our 180,000 square feet of PennLinks greens that perform flawlessly in our extremes of heat, humidity and cold.

"We hand mow our greens at 3/16". The longer cut stresses the plant less, and promotes deeper, healthier roots. With PennLinks' upright growth habit, there's no need to mow shorter for a 'true' putt and the leaf length helps hold the ball on our extremely contoured greens.

"We realize a substantial monetary and labor savings with PennLinks. Its strong root system requires less syringing; we verticut and topdress only twice yearly, and have not had to apply any preventive fungicide since seeding in the spring of 1987.

"PennLinks also shows quick recovery from Texas-type trials like drought, water loss for 3-4 days, 2 inch hailstones, pythium and deer damage.

"I feel any superintendent who looks at all available bents with an open mind, and does his homework as I have, will choose PennLinks over any other. That's why PennLinks is on top at The Cliffs."

**Randy Thompson, CGCS**
Director of Golf and Course Management
The Cliffs, Possum Kingdom, TX

*Fallon, Randy and Lisa Thompson*

"I like PennLinks because it's easy to live with... my family likes PennLinks because I'm easier to live with."

*Randy Thompson*

In the exclusive "Penn Pail"

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SEPTEMBER 1989, VOLUME 29, NUMBER 9

# LANDSCAPE MANAGEMENT

On the cover: Landscape Management again offers you the industry's most complete guide to the manufacturers and suppliers of turf equipment.

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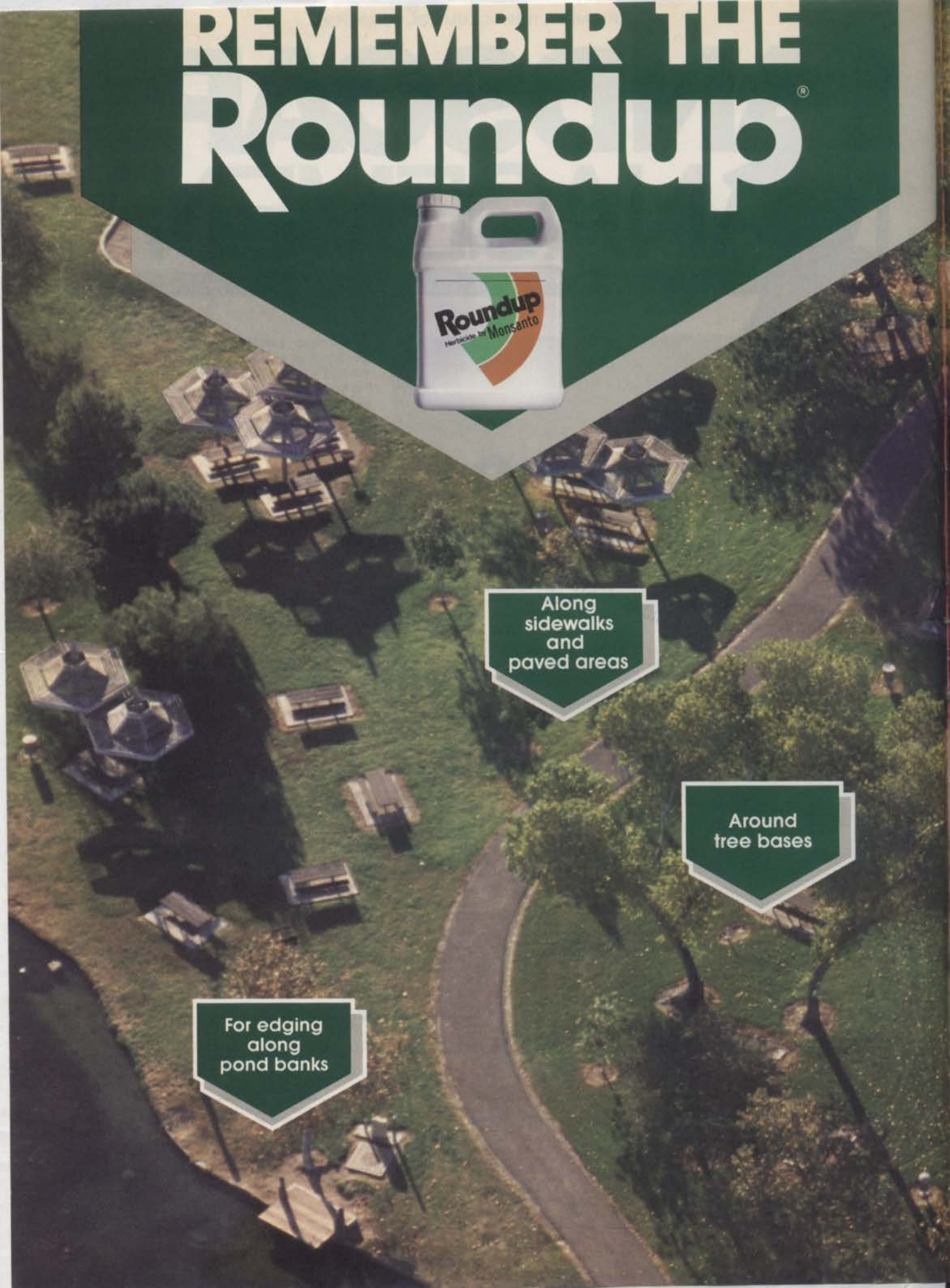
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Roundup®
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Herbicide by Monsanto
Along sidewalks and paved areas
Around tree bases
For edging along pond banks

Now's the time to Remember ROUNDUP® herbicide for all kinds of jobs around parks and recreational areas. Remember that ROUNDUP controls a broad spectrum of weeds roots-and-all. ROUNDUP is faster to use than mechanical trimmers and there's no need to retreat. That means you'll save time and labor.

Remember that ROUNDUP stays where you put it...so there's no washing or leaching problems to harm desirable vegetation. And Remember that ROUNDUP is biodegradeable and won't build up in the soil. That fact will give you the environmental confidence you need to use ROUNDUP everywhere you've got a weed, brush, trimming or edging problem. Spray with confidence — REMEMBER THE ROUNDUP.

Always read and follow label directions for Roundup® herbicide. Roundup® is a registered trademark of Monsanto Company.
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**For complete information on the many benefits of Roundup herbicide for Parks and Recreational facility managers, call toll-free**

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# AS I SEE IT...

## From the other side of Earth: Can we talk?

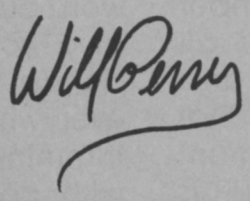
If you take for granted your ability to communicate with those around you, then attending the 6th Annual International Turfgrass Research Conference (ITRC) in Tokyo last month would have been eye-opening. Not only would you have enjoyed papers delivered by the world's preeminent turfgrass researchers, you'd have seen the awesome power of communication working (or, in some cases, not working).

For the first time, the ITRC's host was a nation on the mysterious, often misconceived continent of Asia. Though relative newcomers to turf research, the Asians appeared to pursue turf knowledge as diligently as they have other scientific fields once thought to be the private domain of Western civilization.

Still, the cultural barriers between lands were evident, most notably language. Though translators performed admirably within classroom walls, the informal "corridor conversations" so important in a gathering of this type had a distinct East/West feel—as in East on one side of the corridor and West on the other.

It is apparent that our nations have a long way to go toward fully understanding each other. The blending of our cultures will continue to progress in step with today's global economy. Perhaps the most important element in maintaining positive relations during that progression will be a continued effort to improve communication, to overcome the momentary frustrations many of us may experience.

Perhaps one day landscapers in Okayama and Oklahoma will be equally interested in our Buyers' Guide, presented to you this month. Each will benefit from an easy-to-use, comprehensive listing of the companies that provide the instruments necessary to do a job properly. Until then, we're glad we can bring you the 1989 "North American" Buyers' Guide. Think of it as a way to get your hands on the tools and information you need to beautify wherever it is you call home.



**Will Perry, managing editor**

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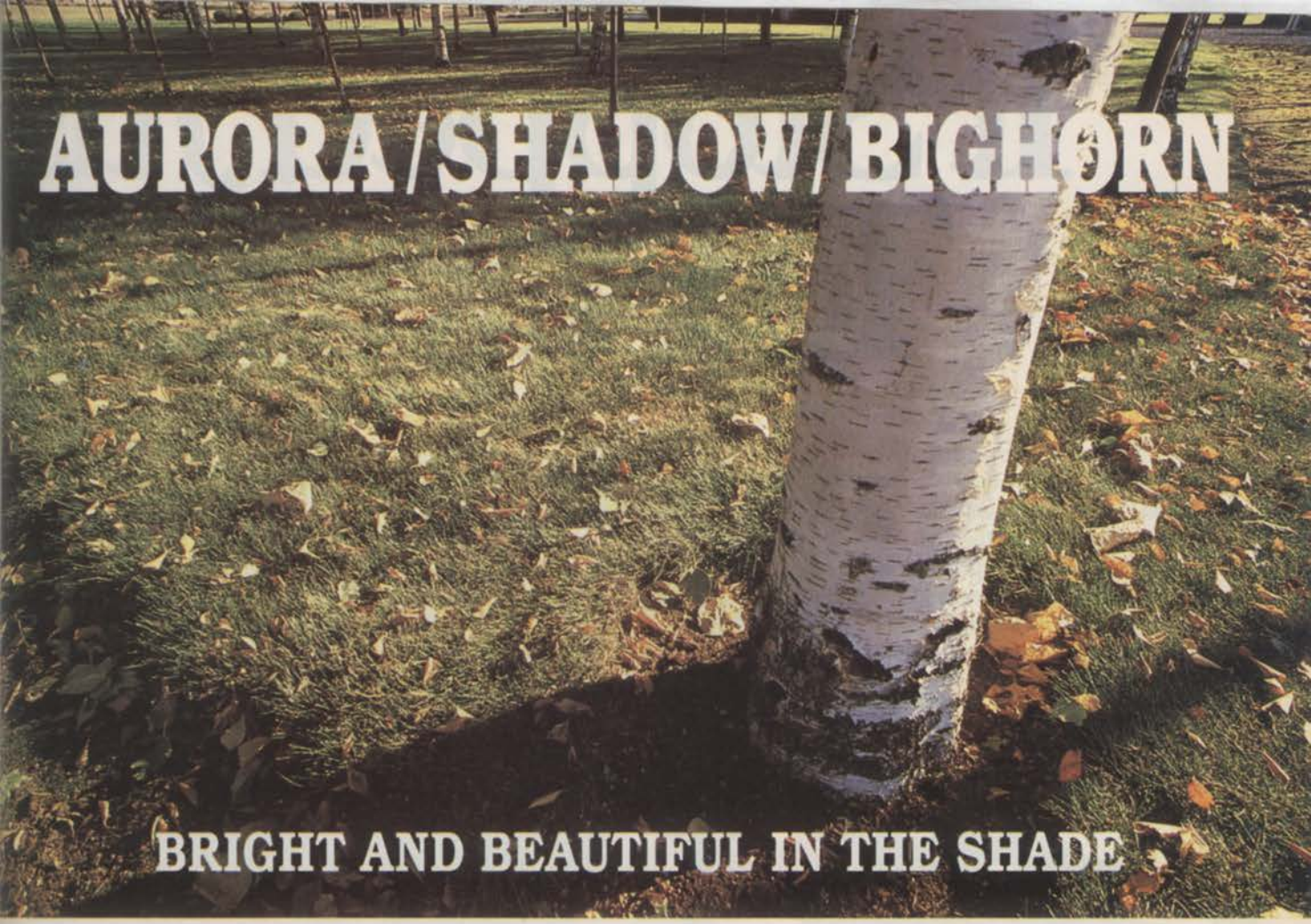


## **Aurora** Hard Fescue, **Shadow** Chewings Fescue and **Bighorn** Sheep Fescue . . .

*three shade and drought tolerant fine fescues for golf courses, parks, home lawns, roadsides and reclamation areas.*

Aurora, Shadow and Bighorn have consistently topped fine fescue turf trials, and have years of 'experience' in low maintenance and high percentage shade areas.

These fescues mix well with perennial ryegrasses and Kentucky bluegrasses for use in sod production and golf courses; Aurora and Bighorn in the roughs and Shadow on the fairways.

When seeded in a monostand, our fescues will help give a course the 'Scottish links' look around tees and in roughs, and blue-grey Bighorn adds another color dimension to course design.

Low growing Aurora, Shadow and even shorter growing Bighorn require less mowing, making them ideal for roadsides and other low maintenance areas.

All-in-all, when your turf area is in the shade, where water, nutrients and maintenance are costly, it'll pay you to look into Aurora, Shadow and Bighorn . . . the good look in fine fescues.

Aurora, Shadow and Bighorn qualify for Turf-Seed's blue tag incentive program. Write us or call your seed distributor for details.

**Aurora PVP 8700070**
**Shadow PVP 8100155**
**Bighorn PVP Applied for**

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CALL TOLL-FREE
OUTSIDE OREGON **800-247-6910**

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# It Stopped Just
# To Have Its P

You're witnessing a rare sight. Toro's Reelmaster® 450-D actually standing still. A rare sight because the Reelmaster 450-D is so dependable that it goes and goes and goes. Giving you the high capacity mowing and precise even cutting you've been looking for.

Each cutting unit is connected to a universal joint, so it can float freely in any direction, following the contour of the turf for an even, uniform cut. Or can be locked in a fixed position.

The Toro 450-D gives you protection against hydraulic fluid leaks. Wherever possible, hoses have been replaced with strong steel lines and O-ring seals protect connections. A hydraulic warning system flashes an alarm when the fluid level drops. For easy servicing, test ports for the hydraulic system are right on the side of the machine.

The Reelmaster 450-D can be customized with these accessories: ROPS, Cab, 5- and 7-bladed reels, rollers and thatching reels.

The Toro Company, Commercial Marketing Services, 8111 Lyndale Ave. So., Minneapolis, MN 55420.

# Long Enough
# icture Taken.

Toro's exclusive variable clip control allows you to calibrate reel speed and mowing speed to give you the highest quality of cut in varying course conditions. Combine that with faster mowing speeds, up to 7.5 mph and 12.5 mph transport speed, and you're going to witness an increase in productivity. All controls are in easy reach of the operator to provide greater comfort.

The 450-D is designed with its weight evenly distributed around a center-mount 50 hp engine for better balance. This means more uphill climbing ability than other machines and better traction.

Compared to tractor gang mowers, the Toro 450-D weighs less and is equipped with wide 31-inch tires that spread the weight for the lowest PSI, further minimizing turf marking.

For faster, easier mowing with more beautiful results, call your local Toro distributor for a demonstration of the Reelmaster 450-D or contact Toro at the address below. A machine built from the ground up with proven Toro design experience. And that translates into the kind of productivity no one can argue with.

TORO

The Professionals
That Keep You Cutting.

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GREEN INDUSTRY NEWS

SEPTEMBER 1989, VOLUME 29, NUMBER 9

LANDSCAPE MANAGEMENT

TREES

# Popular 'Treaty Oak' faces uphill struggle for survival

AUSTIN, Texas — The probable destruction of a 500-year-old oak tree has caused an outpouring of sympathy from 48 states and 18 countries.

"Cards and letters from all over the world cross my desk," says Austin city forester John Giedraitis. "They all have the same theme: get well soon."

Those affections, however, apparently have not been enough to save the venerable "Treaty Oak."

The tree rests in Caldwell Treaty Oak Park. Paul Cullen, an alleged occultist, is awaiting trial for its poisoning. He faces a possible sentence of up to 10 years in jail and a fine of up to $10,000 for criminal mischief, a felony.

"All over the world, people are watching this," says Giedraitis, who—more than anyone—has been flooded with phone calls from newspapers, magazines and the electronic media. "Right now, this is the most famous tree in the world."

The tree's plight has been followed by the *New York Times*, *USA Today* and the Associated Press. Giedraitis himself has appeared on ABC-TV's "Good Morning America."

Unfortunately, the tree is dying a slow death.

Soil samples indicate a massive poisoning from an overdose of DuPont's Velpar herbicide, which penetrated as far as three feet under the soil surface. Giedraitis has worked on advice from scientists at DuPont and tree experts from all over the country (including Dr. Jack Siebenthaler of the American Society of Consulting Arborists) to save the tree. Most recently, 18 irrigation heads that pump springwater around the crown were installed to sterilize the soil.

"Tissue samples indicate the level of poison going down," Giedraitis says, "but it's not going down fast enough. It's kind of like a race we're losing.

"The tree is dangerously close to the end, even though we really won't know until next spring."

He notes that tests indicate good starch reserves in the root system. "We're hopeful the carbohydrates will move up the stem into the remaining buds," he says.

More than $63,000—most of it donated by billionaire industrialist H. Ross Perot—has been spent to save the massive tree. The total bill is expected to reach $75,000, Giedraitis says.

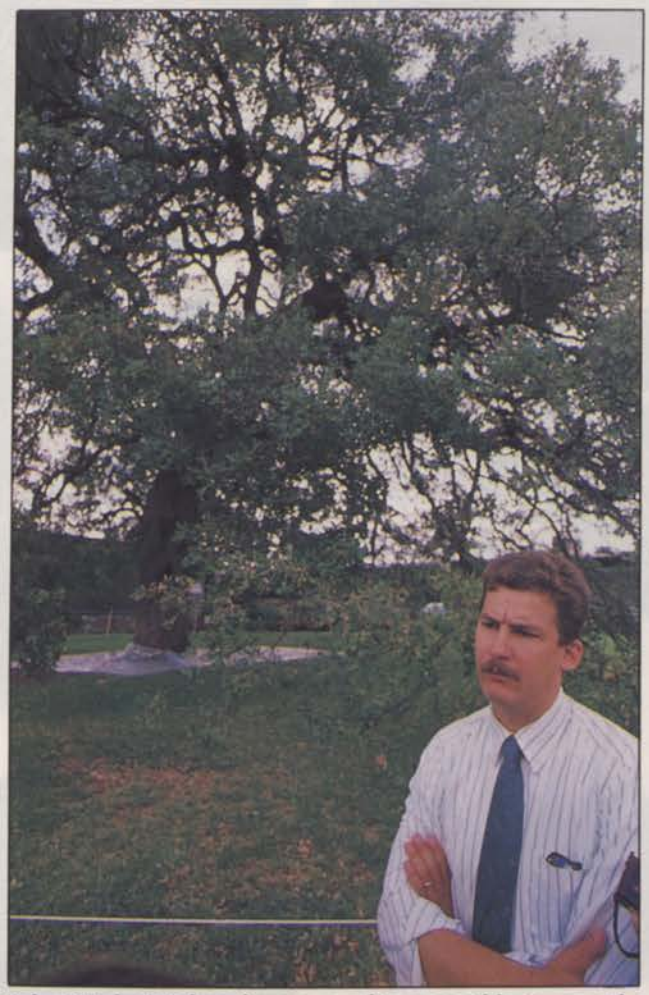
The City of Austin bought the Treaty Oak from Earl Caldwell Sr. in 1937 with donations from the city's schoolchildren.

Since that time, Caldwell's Landscape Service Company has pruned it free of charge. The company is now under second-generation ownership.

The original Caldwell's son, Earl Jr., says he's kept his company out of the media spotlight because of its love for the tree.

"It's a very sad thing," notes Earl Jr. "It was a magnificent tree. Now it's dead, (the victim of) a demonic act by a mentally deranged person."

Adds Giedraitis: "That shadowy figure sealed the fate of the tree. But the real story is the outpouring of love and affection by people all over the world." □



**John Giedraitis has done everything possible to save the "Treaty Oak," an endangered Austin historical landmark. (Photo by Mike Boroff of the Austin Statesman-American)**

**The Expedite system, shown here, eliminates almost all chances for accidents, according to landscapers who use it.**

INDUSTRY

# Biotech, safety are keys to 'good life'

ST. LOUIS — Biotechnology will play a bigger role in the lives of Americans and the green industry as they approach the year 2000.

This is how management at the Monsanto Company feels, according to Dr. Mike Montague, manager of research operations. "Biotechnology is a quantum leap that ranks with the development of atomic and computer technology in this century," Montague told a group of reporters assembled at Monsanto's Chesterfield, Mo., research facility. "Biotechnology will have that kind of impact on our lives. And we have bet the company on it."

Monsanto spent $150 million to build its one million square foot facility that includes twenty-six 2600-square foot greenhouses.

"Congress and the administration is seeing that, for the U.S. to preserve its way of life, biotechnology and other technologies are absolutely critical," Montague noted. "Total value of biotechnology-based products could easily be $100 billion by the year 2000."

In keeping with its goal of producing environmentally-sound products, Monsanto came out with its

*continued on page 18*

INDUSTRY

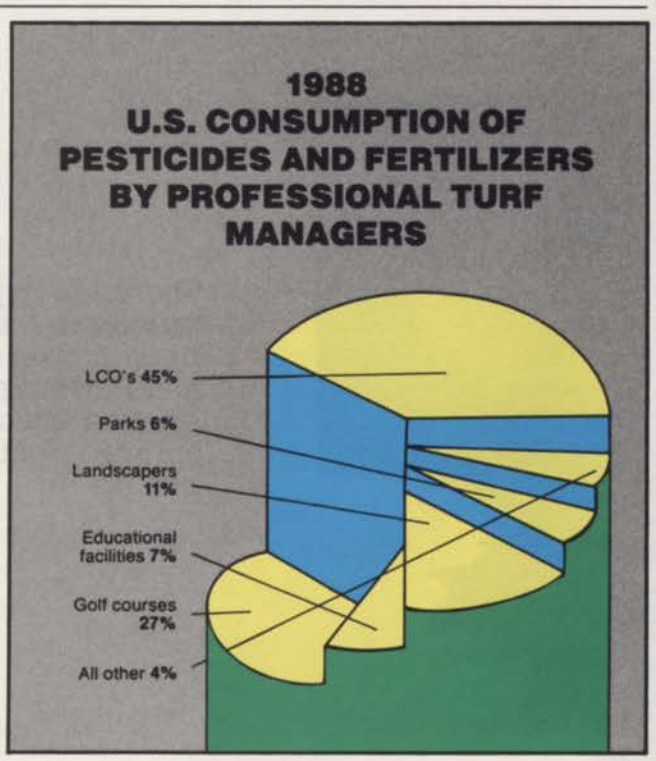
## *Pesticide manufacturers to pursue lawn, landscape pros*

FAIRFIELD, N.J. — Lawn care operators, golf course superintendents, landscapers and other professional turf managers are being vigorously pursued by pesticide and fertilizer manufacturers.

A recent study by C.F. Kline & Co. says manufacturers are being spurred on by profit incentives rather than market expansion or market size. Kline reports that 1988 sales to turf managers were about $780 million, much lower than the total U.S. consumption of $10 billion. However, sales to the specialty markets are contributing almost as much to company profitability due to lower development and selling costs.

Lawn care operators represent the industry's largest end-use segment, responsible for nearly 45 percent of fertilizer and pesticide sales. Golf course sales are second at 27 percent, and landscapers third at 11 percent (see chart), according to Kline & Co.

The report says competition will get stiffer, and acreage maintained by turf professionals will grow slowly. Manufacturers will increase sales only through the success of new products that chip away at competitors' market shares. □



# You can use Mavrik Aqua

Mavrik Aquaflow is the ideal insecticide/ miticide for landscape maintenance.

It is a non-restricted product that is highly effective against the majority of insect and mite problems.

There are no phytoxicity problems. Mavrik® has been proven safe for hundreds of plant species, even when sprayed right on the blooms.

# flow® all over this page.

Mavrik is also very concentrated. So you have less to buy, carry around, or store. It's safe to use and Mavrik leaves no odor and little visible residue.

No matter what kind of insect and mite pests you come up against, hit them with Mavrik Aquaflow. And it'll be over for them.

See your distributor today.

**SANDOZ**CROP PROTECTION

Use pesticides effectively. Read and follow label directions carefully.

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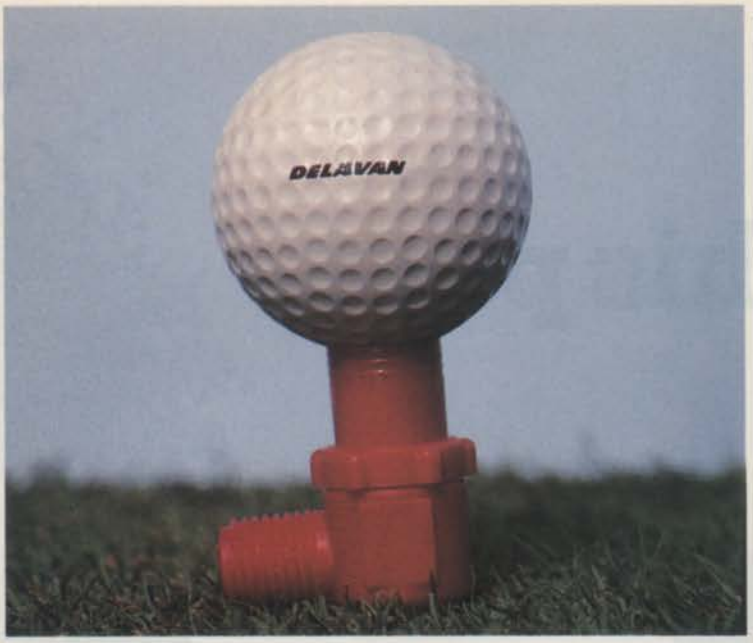


# Sure Is A Funny Looking Tee

It doesn't look like a tee, but in a way it's one of the best friends a golfer can have. Whether it's the fairway or the green, it's your job to provide and maintain the best playability for your golfers. Every golfer loves to walk up to that second shot and have the ball "teed up" on a lush green fairway. Every golfer looks for a true roll on the green.

## Drift Reduction Is The Key

The Delavan Raindrop® nozzle helps you produce and maintain lush fairways and true greens. The Raindrop® is a wide-angle (120 degree), hollow-cone, drift-reduction nozzle.

- Driftable fines are reduced.
- The chemical goes where you want it.
- Larger orifice opening and passages minimize clogging.
- Color-coding makes selection and installation quick and easy.

Whether you are spraying insecticides, herbicides, fungicides, or fertilizer, the Delavan Raindrop® helps you maintain the type of playing surfaces your golfers expect.

Playability...that's what your job is all about. While our "tee" will never meet U.S.G.A. specifications, it will meet your specifications for even, controlled coverage that gives you the kind of fairways and greens you want. Choose the Raindrop®.

For the location of your nearest Delavan dealer, call toll free **1-800-621-9357**.

**Colt Industries**

**Delavan**
Agricultural Products Operation

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# SHORT CUTS

**AT LAST, AT LEAST...**After years of bandying about a proposal that they unite for one large national conference and trade show, three of the green industry's top trade organizations have finally given the go-ahead. Last to embrace the idea was the Associated Landscape Contractors of America (ALCA), whose board of directors approved the plan in July. Also involved are the Professional Grounds Management Society (PGMS) and the Professional Lawn Care Association of America (PLCAA). The event is said to be proposed for October or November, 1990 in Nashville, Tenn.

**TAKE HEED...**"None of us has a crystal ball," notes industry consultant **Charles Vander Kooi**. But he's ready, via his newsletter, to do some predicting. "I feel that in 5 to 10 years, there will be 30 percent fewer companies in this business than there are today. This reduction in contracting firms will not be necessarily due to a poor economy. Rather, I feel it will be due to the fact that certain companies will become more advanced in their use of computers, more sophisticated in their estimating and job costing, and better managers of their businesses. As more companies become that way, they will take more of the available jobs away from those who are not advancing in the way they do their business."

**BIO BOOM...**Safer, Inc. reports that its sales of non-toxic, biodegradable pesticides more than doubled from April to June when compared to sales for the same period in 1988. And according to Safer's figures, yearly sales of non-toxic biodegradable pesticides by all manufacturers are now at almost $31 million. "Biodegradability can be measured by examining the residual life of a product," says **Dr. Michael Atkins**, Safer's director of technical services and an entomology professor at San Diego State University. "The shorter the residual life, the more degradable the product."

**NEW DIRECTIONS...**The H.B. Musser Foundation, according to its president **Frank Dobie** of Sharon (Ohio) Country Club, is heading in new directions lately. "We're finally starting to put the concept of the Musser Foundation to work," he notes. "We've reorganized and have concentrated more on searching out more doctoral students for fellowships." He says the Musser Foundation, if it can increase its principal fund, hopes to eventually present multiple scholarships of $10,000-$12,000 each. "We're moving ahead," Dobie notes. For information on contributing to the foundation, call him at (216) 239-2383.

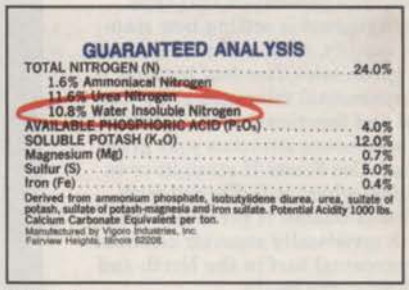
# READ ...the fine print.

Net Weight 61⅞ lbs
CAUTION: PLEASE KEEP OUT OF THE REACH OF CHILDREN. EYE CONTACT WITH CONTENTS MAY CAUSE IRRITATION. FLUSH EYES WITH WATER AS SOON AS POSSIBLE.
ProTurf Fairway Fertilizer 32-3-10 643-6408
Guaranteed Analysis
Total nitrogen (N) ..... 32%
0.8% ammoniacal nitrogen
24.5% urea, methylene-ureas nitrogen
6.7% water insoluble nitrogen
Available phosphoric acid (P2O5) ..... 3%

*Scott's ProTurf*

GUARANTEED ANALYSIS
Total Nitrogen (N) ..... 18%
5.6% Water Insoluble Nitrogen
3.0% Ammoniacal Nitrogen
3.5% Urea Nitrogen
Available Phosphoric Acid (P2O5) ..... 5%
Soluble Potash (K2O) ..... 9%
Magnesium (Mg) ..... 1.0%
Sulfur (S) ..... 8.0%
Iron (Fe) ..... 1.0%
Manganese (Mn) ..... 0.5%
Nutrient Sources: Urea, Methylene Ureas, Ammonium Phosphate, Ammonium Sulfate, Ammoniated Superphosphate, Sulfate of Potash, Oxides, Ferrous Sulfate, Sulfates.
Potential Acidity Equivalent 1300 lbs. Calcium Carbonate per Ton.

*Lebanon Country Club*


GUARANTEED ANALYSIS
TOTAL NITROGEN (N) ..... 24.0%
1.6% Ammoniacal Nitrogen
11.6% Urea Nitrogen
10.8% Water Insoluble Nitrogen
AVAILABLE PHOSPHORIC ACID (P2O5) ..... 4.0%
SOLUBLE POTASH (K2O) ..... 12.0%
Magnesium (Mg) ..... 0.7%
Sulfur (S) ..... 5.0%
Iron (Fe) ..... 0.4%
Derived from ammonium phosphate, isobutylidene diurea, urea, sulfate of potash, sulfate of potash-magnesia and iron sulfate. Potential Acidity 1000 lbs. Calcium Carbonate Equivalent per ton.
Manufactured by Vigoro Industries, Inc.
Fairview Heights, Illinois 62208

*Par Ex*

Down in the analysis area on every fertilizer bag, you'll find the "fine print" that tells you what the big print doesn't. Read all of it. Carefully. But most importantly, look at the percentage of Water Insoluble Nitrogen.

## Water Insoluble Nitrogen (WIN)... the key to superior turf.

The higher the WIN percentage, the longer your turf will remain green. And the less often you will have to fertilize. That's because WIN is the percentage of total Nitrogen that is truly slow release. Freeing small amounts of Nitrogen each time it's touched by water (Par Ex® with IBDU®) or activated by temperature or bacterial action (competitive products).

## No competitor can deliver as much usable WIN as Par Ex.

Only Par Ex contains IBDU—a unique Water Insoluble Nitrogen source that is 100% available to your turf in a single growing season. Consider that urea formaldehyde products (bacteria and temperature released) contain about one third of their WIN in the form of plastic polymers. Its long-term Nitrogen release is so slow, it's almost useless, and will most likely occur during the hottest periods, just when you don't want it.

For Sulfur Coated Urea (SCU), research has shown that by the time it is spread, about 50% is immediately soluble, effectively doubling your cost of controlled-release Nitrogen and cutting the benefit in half!

## Be sure to read your bag.

If the percentage of Water Insoluble Nitrogen isn't listed, there isn't any slow-release Nitrogen. If it *is* listed, chances are it won't be as high as the WIN percentage in Par Ex. Even if it is, we guarantee you that 100% of what we list as WIN is available to your turf every growing season. That means for every six months of growing, you'll receive an additional 46-53% more usable WIN than our competitors can deliver.

So start building your WIN percentage today. Talk to your local Par Ex Representative or call 813/294-2567. And get all the WIN you've been reading about.

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# For a varie

QUALITY PICKSEED® TURFGRASS PRODUCTS

## Fiesta II
Perennial Ryegrass

This advance generation turf-type perennial ryegrass is setting new standards for quality, color, and performance. Its dark green color, fine leaf texture, and environmental tolerance gives you beautiful and functional results, while its high seed count stretches your grass seed dollar. Use Fiesta II straight or in Futura 2000 where it is blended with Blazer II and Dasher II perennial ryegrasses. A genetically superior combination for perennial turf in the North and overseeding in the South.

## Banff
Kentucky Bluegrass

Banff is a vigorous dwarf variety that was discovered on the Banff Springs Golf Course in Alberta, Canada. There, Banff survived twenty years of continual heavy watering, repeated attacks from snow mold, and close mowing on a putting green. Just imagine what it could do for you. Banff establishes quickly and forms a disease resistant, cold tolerant, dark green turf.

## Touchdown
KENTUCKY BLUEGRASS

Since Touchdown's discovery by the late Tom Rewinsky on the National Golf Links of America on Long Island, this elite bluegrass has become the top choice of sod producers. Its aggressive growth habit and rapid establishment crowds out weeds and Poa annua while developing an even, dark green turf.

## MUSTANG
TURF-TYPE TALL FESCUE

Mustang is the tall fescue that looks like bluegrass. Its finer texture, darker green color, and wear and drought tolerance have made it the choice for sports field, sod, park, and home lawn use. Mustang is available straight or in TEAM – a three-way turf-type tall fescue blend that also contains Maverick II and Thoroughbred.

## Colt
POA TRIVIALIS

Colt is an Oregon produced variety that offers you domestic seed production benefits. It combines superior turf performance and turf quality with genetic adaptation to North American growing conditions. It is dark green, shade tolerant, disease resistant, and very winter hardy. Colt is a vigorous, low-growing variety that has excellent overseeding qualities.

## VICTORY
CHEWINGS FESCUE

For the fourth consecutive year Victory was the highest rated commercially available chewings fescue in the national Fine Fescue Trials. Victory is a low growing, shade tolerant variety that has possibly the darkest green color of any other chewings fescue. It exhibits superior uniformity and disease resistance, too. If you like picking winners, pick Victory.

# ty of reasons.

## CROSSFIRE
### TURF-TYPE TALL FESCUE

Crossfire turf-type tall fescue is the only strategy you need for battling a summer ambush of heat and drought. Crossfire is a lower and slower growing variety of tall fescue that exhibits a very dark green color. It combines improved heat and drought tolerance with outstanding turf quality to produce a dense and durable turf. Crossfire's high marks in overall performance during its initial evaluation proved it was ready for the field. Let Crossfire show you how to endure a long summer siege.

## SPARTAN
### HARD FESCUE

Spartan is a robust, advanced generation of hard fescue that is dark green, leafy, and persistant. It demonstrates excellent cold tolerance and creates attractive, low growing, low maintenance turf. Spartan mixes well with perennial ryegrass, Kentucky bluegrass, and other fine fescues. It is an outstanding component in many shady and low maintenance mixes suited for use on home lawns, parks, and golf course roughs.

## AMERICA
### KENTUCKY BLUEGRASS

America is a low maintenance Kentucky bluegrass that has a dense dwarf growth habit, dark green color, excellent disease resistance, and good shade tolerance. Perfect in mixes, America is ideal for golf course fairways, sod production, playing fields, and home lawns.

Pickseed also produces the following quality turfgrass varieties: Agram chewings fescue, Jasper creeping red fescue, Jazz perennial ryegrass, Alpine Kentucky bluegrass, Exeter colonial bentgrass, and National creeping bentgrass.

## SHORTSTOP
### TURF-TYPE TALL FESCUE

Shortstop is the little guy with big benefits. As its name implies, Shortstop is a slower and shorter growing variety of turf-type tall fescue. But don't let its stature fool you. Shortstop is plenty tough. It has heat and cold tolerance, disease resistance and is widely adapted. Shortstop forms a beautiful, dense, uniform turf of finer, darker green leaves.

## BRONCO
### Kentucky Bluegrass

Bronco is a very wide bladed Kentucky bluegrass that was developed specifically as a mix companion for turf-type tall fescue. While its texture and color gives it the appearance of a tall fescue, the comparison between the two ends there. Bronco is elite Kentucky bluegrass all the way. Its been bred to be less dense so it won't crowd out tall fescue and yet still aggressive enough to fill in and repair damaged areas quickly. That's what makes Bronco ideal for sports turf use.

Pickseed products are distributed throughout North America by quality seed suppliers.

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# Death claims Brickman Industries' founder Theodore Sr.

LONG GROVE, Ill. — The year 1989 has claimed its second landscaping giant with the death of Theodore W. Brickman Sr.

Brickman, founder of the award-winning Illinois-based landscape firm that bears his name, passed away at 82 years of age on Aug. 2. Though he had been inactive in the company for the last 15 years, he remained Chairman of the Board until his death.

The Brickman Group Ltd. bills itself as the country's largest design-build and horticultural management organization. It is now owned by Theodore "Dick" Brickman Jr.

"He was kind of a spiritual leader up until about a year ago," says Dick. "Even though he was largely inactive, there's still an emptiness."

The senior Brickman, a native of Ontario province,

**T.W. BRICKMAN, SR.**
**1907-1989**

Canada, founded the company in 1939. Though it was not in operation during World War II, it rebounded and blossomed in the 1960s and 1970s. Its seven offices now serve the Midwest and eastern corridor from Boston to Florida. The company has won more than 100 national, regional and local awards for its landscapes.

"From day one, he and I became equal partners," Dick remembers. "As a father, he was willing to step back and let us younger people take the reins. I hope I have as much wisdom when it's time to let the younger people in our organization step in for me."

Further remembering his senior, Dick notes: "(My father) lived a good, full, useful life and touched a lot of people."

Earlier this year, death claimed John Moulder, one of the founders of Moulder Brothers Inc., a California landscaping giant. □

**BIOTECH** *from page 11*

Expedite pesticide application system earlier this year.

"Expedite fits strategically into our philosophy," says Dr. Dave Duncan, director of greens business.

The Expedite system includes various herbicides and an exclusive "lance" manufactured in England which will be distributed worldwide by Monsanto.

"We believe we can reduce pesticide exposure (to the applicator) substantially," notes Monsanto district manager Jerry Steiner. "And the hand-held unit is just the starting point."

Adds Dr. Duncan: "Expedite will fuel the (Monsanto) machine for more new products. It's very critical to our plans."

Landscape managers sold on Expedite include Vicki Phillips of the St. Paul (Mo.) Department of Parks and Recreation and Paul Norman of Washington University.

"Expedite is just amazing," Phillips says. "You hook it up, you put it on your back and you go." □


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Elanco introduces the unique preemergence broadleaf weed control for golf courses. New Gallery 75DF. An original work of art. And science. With a new chemistry so advanced, it outdates postemergents, saving you time and labor costs.

The Gallery collection includes 44 of your toughest broadleaves such

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All you'll see is masterpiece turf. Free from broadleaves. And free from injury. New Gallery is actually more tolerant to all major species of cool and warm season turf, including bentgrass, than other herbicides. And there's no risk of off-site damage to nearby ornamentals.

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Circle No. 137 on Reader Inquiry Card


# ATHLETIC TURF

## STMA is ballooning

The Sports Turf Managers Association, which started out with just 64 members in 1984, is fast approaching the 1,000 mark in membership.

"Our renewal rate is 70 percent already this year and we're signing up about 10 new members a month," says executive director **Mark Hodnick**.

Hodnick, supervisor of landscape services at California Polytechnic University in Pomona, was named executive director to succeed **Dr. Kent Kurtz** earlier this year. The new arrangement is working out nicely.

"But the board of directors will soon have to consider having a full-time executive director," Hodnick notes. "We're just getting too big."

For more information on joining the STMA, write 400 North Mountain Ave., Upland, CA 91786 or phone (714) 981-9199.

## Repairing Soldier Field

Soldier Field, home of the Chicago Bears, was supposedly ready for National Football League play on June 15, 1988. But the following month during a nationally-broadcast Bears-Miami Dolphins exhibition game, the grass began to tear, a result of poor rooting.

**Ira Berke**, director of landscape for the Chicago Park District, and **Jim Duggan**, landscape construction supervisor for the Chicago Park district, played key parts in the repairs. The decision was made to go with a thick sod in the center of the field between the hash marks. A total of 2,400 yards of 4½-inch thick sod was installed in four days and treated with heavy topdressing and aerification.

Berke and Duggan encountered two problems: soil interface and drought. "We had sod grown on black earth installed on top of sand. We had 42 days to work with, and 35 of those days were over 90°F. The roots and grass want to go dormant in those high temperatures."

Berke and Duggan dealt with those two problems through heavy topdressing, aerification and irrigation.

Berke liked the PAT (Prescription Athletic Turf) system's drainage advantage, but admits that no field is perfect. "When you're sold on the PAT system, you're sold on the idea that it's going to solve all of your problems, which it won't. Any field that gets a heavy amount of play is going to tear. The amount it tears depends on what kind of climate you're in."

## 1990 conference

The Sports Turf Managers Association's annual conference and show will be Jan. 19-21 in Houston, Texas. Theme is "Sports Turf: Heart of America in the 1990s;" keynoter is Dr. Jim Watson of the Toro Company.

For more information, contact the STMA at 400 Mountain Ave., Suite 301, Upland, CA 91786; phone (714) 981-9199.

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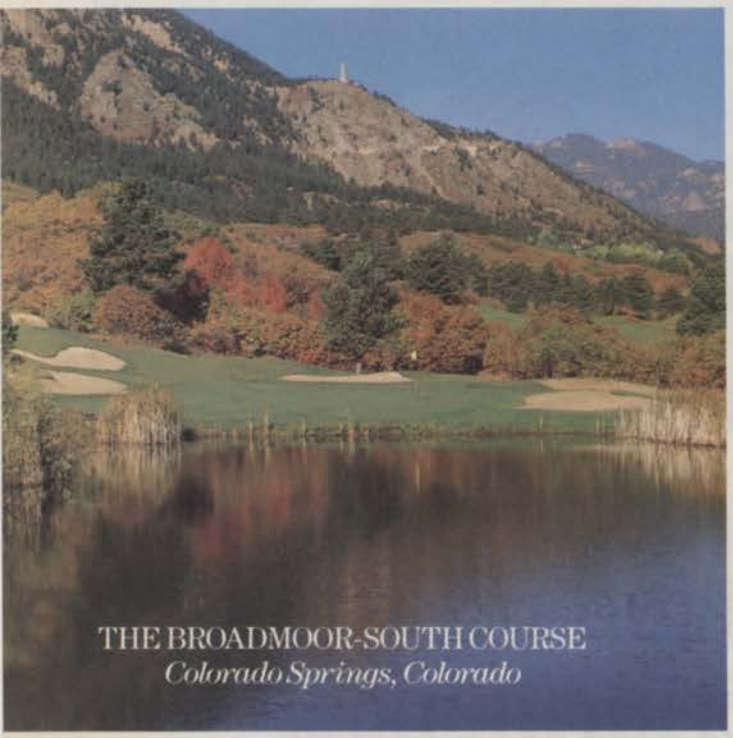

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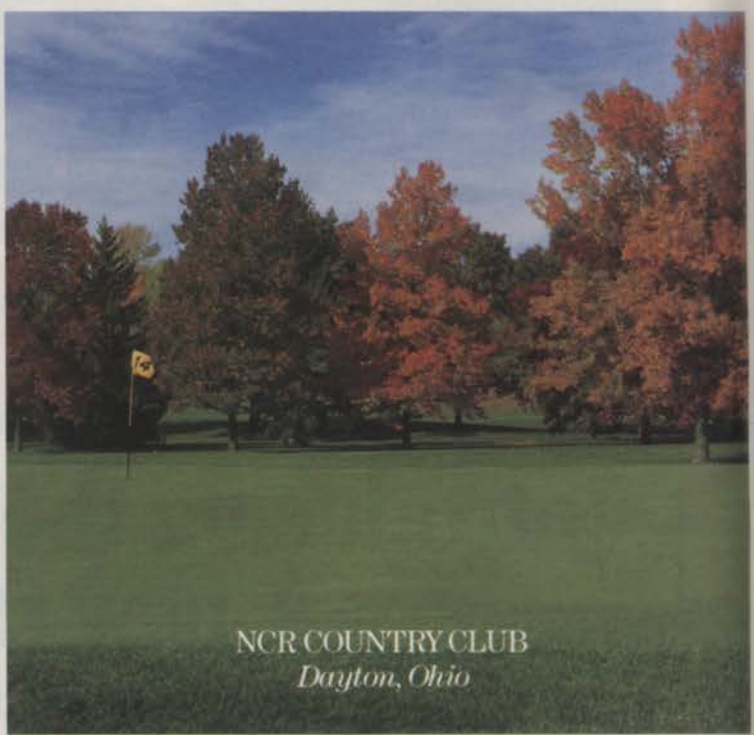

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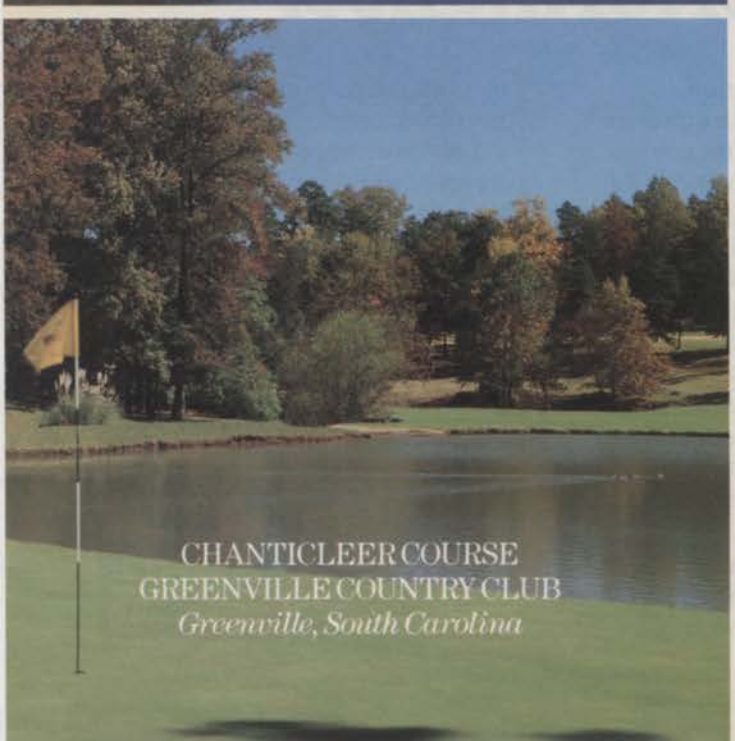

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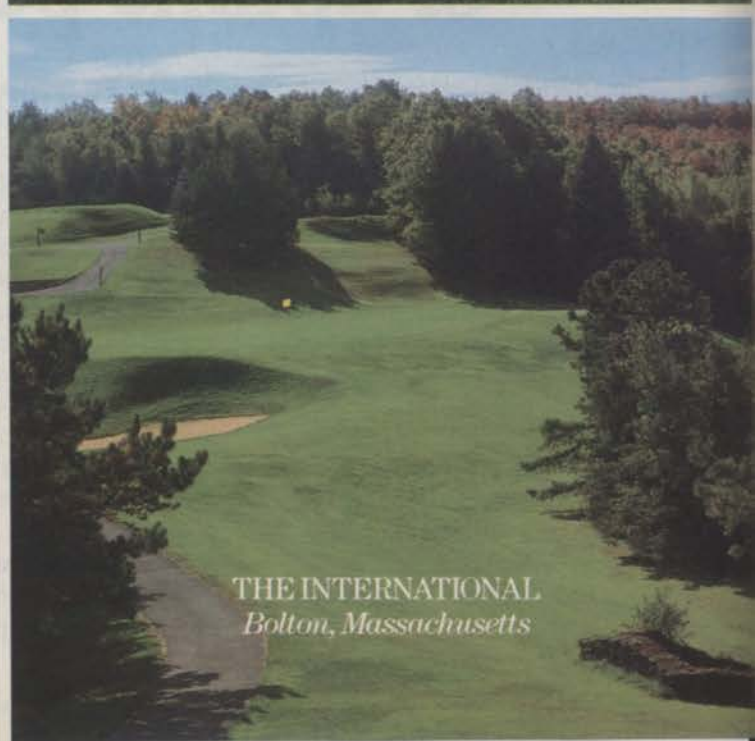

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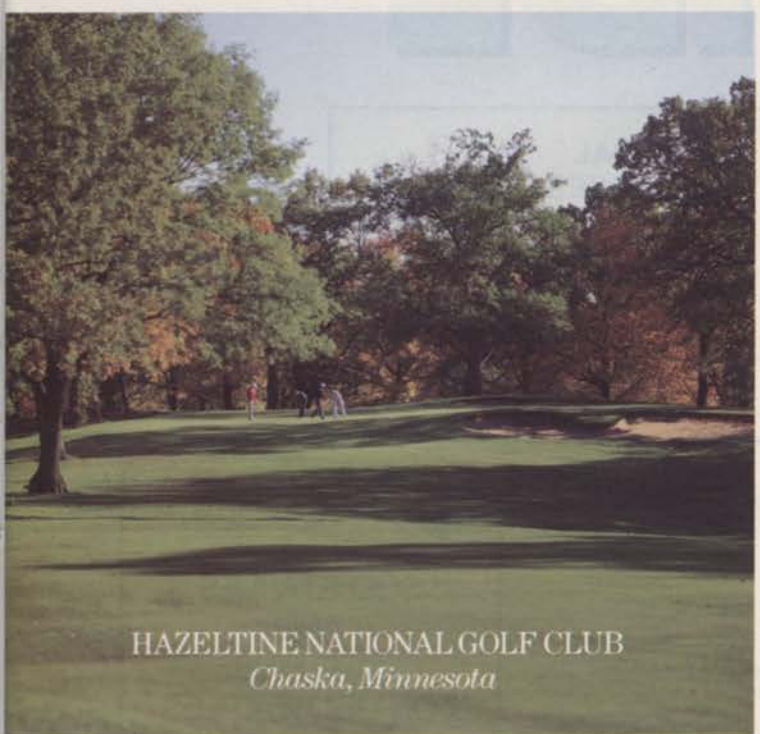
The only holes in our claims have flags in them.



HAZELTINE NATIONAL GOLF CLUB
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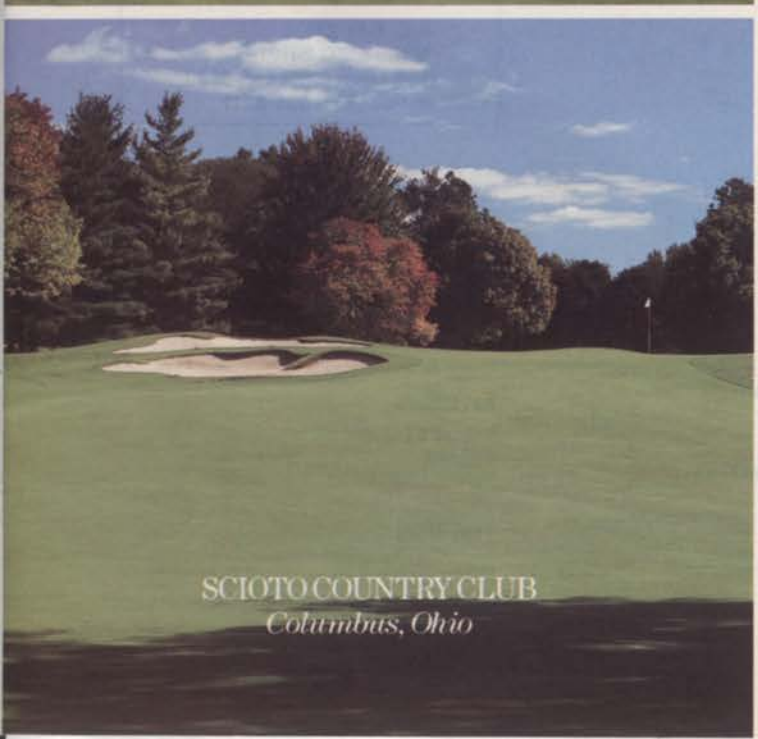

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Scotts ProTurf.

## TGR. Poa Annua Control

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LANDSCAPE MANAGEMENT

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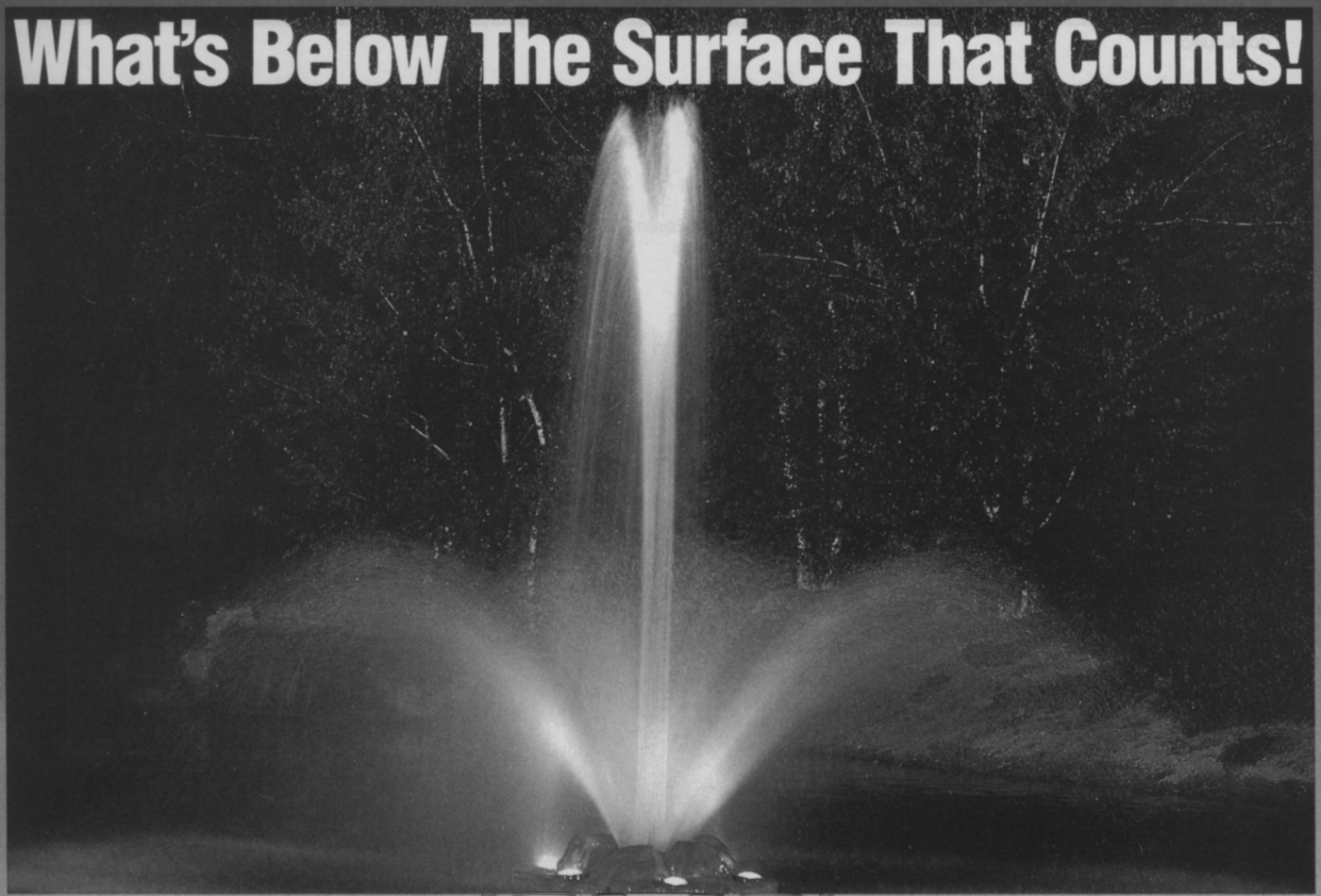

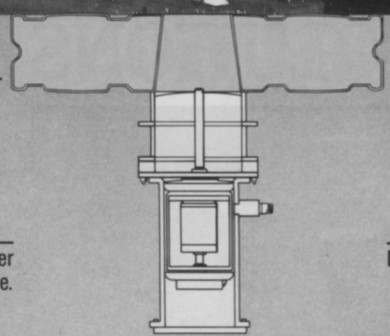

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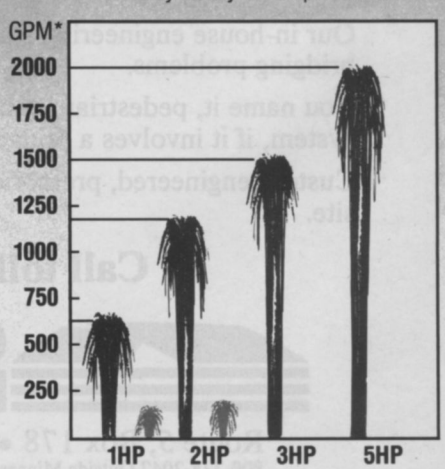


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Snapper Power Equipment
Solo Inc
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# A letter of apology from Cushman.

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P.O. Box 82409, Lincoln, Nebraska 68501-9971 • Phone: (402) 475-9581 • FAX: (402) 474-8522 • Telex: 484359

Dear Golf Course Superintendent:

We hold ourselves responsible for a large area aerator you may have recently purchased that, in all honesty, does not live up to the highest level of quality you deserve. We apologize for not having the new Cushman® GA60 Large Area Aerator available for the fall aeration season. We're sorry, because the GA60 quite simply offers greater value and performance than any other competitive large area aerator on the market today.

If you have not yet purchased a large area aerator, we encourage you to wait a few months. Because if you wait, we won't feel badly...and neither will you.

You'll be able to purchase a Cushman Turf-Truckster™ *and* a GA60 for about the same money that our competitor asks for their tractor-pulled reciprocating fairway aerator alone.* The GA60 has its own power source for more consistent quality. And, it features the coring heads of the proven Ryan GA30, delivering higher quality holes for greens-caliber aeration.

The GA60's unique 5th wheel configuration also gives you less soil compaction, a zero turning radius while aerating, and quick attachment and detachment — no mechanical alterations or gear replacements are required.

Cushman GA60's have been undergoing rigorous field-testing for nearly a year now, and they'll be demonstrated in many parts of the country this fall. Be watching for a demonstration in your area.

I'm confident that once you see the new Cushman GA60, you'll agree that it was well-worth the wait.

Sincerely,

Frank McDonald
Marketing Director

P.S. If you'd like more details on the Cushman GA60 Large Area Aerator, just call toll free 1-800-228-4444.

*Based on August '89 price survey.

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Circle No. 114 on Reader Inquiry Card

*continued*

Strong Mfg Co
Westendorf Mfg Co

### Carts, Lawn

Ames Co
Brinly-Hardy Co
Country Mfg Inc
Earl J Crane Inc & Assocs
Howard S Crane Inc
Deere & Co
Falkenberg Inc
Ingersoll Equipment Co
Kadco Inc
Precision Products Inc
Simplicity Mfg Inc
Westheffer Co
Wheel Horse Products Inc

### Chain Saws

Ariens Co
Deere & Co
Fairmont Hydraulics
Forestry Suppliers Inc
Green Machine
Homelite Div
Progressive Power Tools Corp
Shindaiwa Inc
Solo Inc
Stanley Hydraulic Tools
Tanaka Ltd

### Chain Saw Parts

Deere & Co
Homelite Div
Power Lawnmower Parts Inc
Solo Inc
Tanaka Ltd

### Chippers

Arborchem Products Co
Arbortech/A Scott Fetzer Co
Badger Chipper Co
Chipmore Mfg Co
Howard S Crane Inc
Forestry Suppliers Inc
Heckendorn Mfg Co
Jacobsen Div
Lindig Mfg Corp
Morbark Industries Inc
Olathe Mfg Inc
Promark Products Inc
Roto-Hoe Co
Royer Foundry & Machine Co
Vermeer Mfg Co

### Cultivators

Aer-Way
Ames Co
Ariens Co
BEFCO Inc
Bolens Corp
Bomford & Evershed Ltd
Bush Hog
Deere & Co
Feldmann Engineering & Mfg Co
Gravely Intl Inc
Green Machine
Hoffco Inc
Homelite Div
Howard Rotavator Co
Lawn-Boy Inc
LESCO Inc
Solo Inc
Tanaka Ltd
Vicon Farm Machinery Inc

### Dethatchers

Ames Co
Ariens Co
BlueBird Intl
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Bunton Co
J I Case Outdoor Power Equipment Div
Earl J Crane Inc & Assocs
Howard S Crane Inc
Cushman
Deere & Co
Deutz-Allis Corp
Exmark Mfg Co
Fuerst Brothers Inc
Goossen Industries
Gravely Intl Inc
Hahn Inc
Hoffco Inc
Howard Rotavator Co
F D Kees Mfg Co
Kinco Mfg
Olathe Mfg Inc
Roseman Mfg Co
Salsco Inc
Snapper Power Equipment
Tanaka Ltd

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LESCO Inc

### Dozers

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Howard S Crane Inc
Deere & Co
Deutz-Allis Corp
Komatsu Dresser

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Advanced Drainage Systems Inc
Atlantic Construction Fabrics Inc
Cambridge Soil Services of America Inc
Hancor Inc
LESCO Inc

### Drills

Ariens Co
Bush Hog
Hoffco Inc
JISCO
Johnson's Industrial Supply Co
Little Beaver Inc
Olathe Mfg Inc
Stanley Hydraulic Tools
Strong Enterprises Inc
Tanaka Ltd

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Green Machine
Maruyama US Inc
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Southern Mill Creek Products Co
Strong Enterprises Inc
Trebor Corp
Westheffer Co

### Edgers

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Ariens Co
Bunton Co
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Curb King
Deere & Co
Excel Industries Inc
Green Machine
Hoffco Inc
Homelite Div
Jacobsen Div
LESCO Inc
Scag Power Equipment Inc
Snapper Power Equipment
Steiner Turf Equipment Inc
Tanaka Ltd
Toro Co
Turfco Mfg Inc
Wheel Horse Products Inc

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Kioti Tractor Inc
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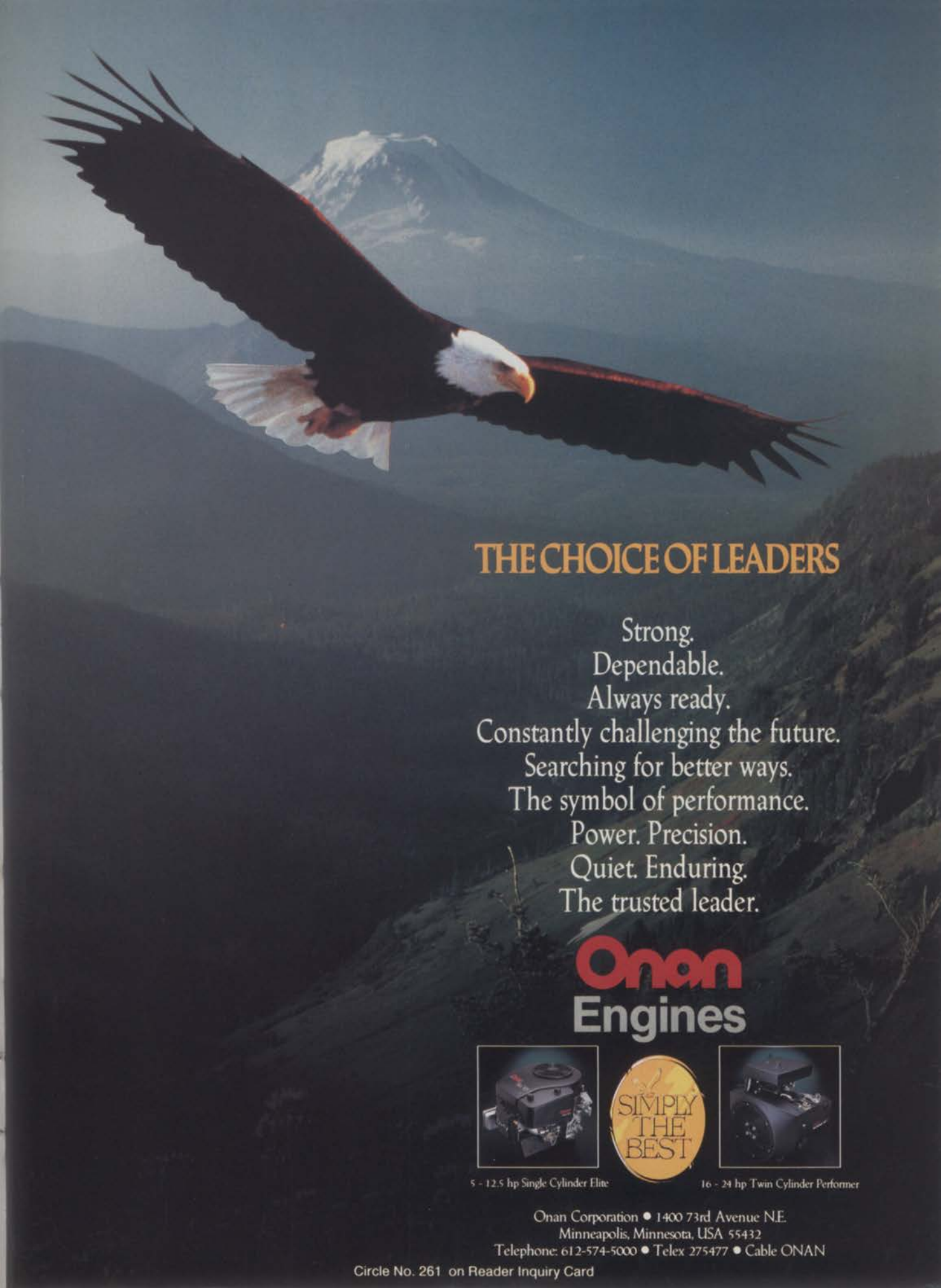
Professional Tree & Turf Equipment
Strong Enterprises Inc
Tecumseh Products Co




Circle No. 261 on Reader Inquiry Card

JOHN DEERE
162

# All signs point to a hassle-free cleanup season

**Debris never falls where you want it.** That's the hassle. And that's why it makes sense to have debris cleanup machines that can work anywhere. Machines like the John Deere 142, 152, and 162 Vacuum Sweepers.

**All three work equally well on turf or pavement** because they don't have wear parts beating the ground. They use vacuum power.

**A heavy-duty steel impeller is the key.** It creates tremendous suction and can handle everything from leaves and clippings to cans and bottles—actually crushing and mulching the material before it goes into the hopper.

**The 142 and 152 are engine-powered,** so they can be used with any tractor 20 horsepower or above. The 142 clears a 4-foot swath while the 152 eats up 5 feet of debris on every pass.

**The PTO-driven 162** also clears a 5-foot swath and requires a 40 horsepower tractor. And, like the 142 and 152, you can empty the hopper without leaving your seat.

**Talk to your John Deere distributor today** for more information on all we have to offer. Or write John Deere, Dept. 956, Moline, IL for free literature. We know you're going to like what you see.

*John Deere vacuums work equally well on turf or pavement because they have no wear parts beating the ground.*

*John Deere blowers, like the 3-point hitch mounted 230, fit well into any cleanup operation.*

JOHN DEERE

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Circle No. 118 on Reader Inquiry Card

*continued*

Teledyne Total Power
Wheel Horse Products Inc

### Engines

Briggs & Stratton Corp
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Ford New Holland Inc
Honda Power Equipment
Kawasaki Motors Corp USA Engine Div
Kioti Tractor Inc
Kohler Co
Kubota Tractor Corp
Lawn-Boy Inc
Lombardini USA Inc
Onan Corp

Onan's Performer series of two cylinder engines includes 16, 18, 20 and 24 HP horizontal shaft models and 16, 18, and 20 HP vertical shaft models. Features include electronic ignition, solenoid shift starter and full pressure lubrication.

Onan recently expanded its engine line with the addition of the single cylinder Elite series. The 12.5 HP vertical shaft model is currently in production and future models will include 5-12.5 HP horizontal and vertical crankshaft configurations.

**ONAN CORPORATION**
1400 73rd Avenue • Minneapolis, MN 55432
**(612) 574-5000**

Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Strong Enterprises Inc
Tecumseh Products Co
Teledyne Total Power
Tuflex Mfg Co
Westheffer Co

### Erosion Control Blocks

A C F Inc
Atlantic Construction Fabrics Inc
Eberhart Steel Products Plastic Div
Hydro Turf & Assoc
Presto Products Co

### Erosion Control Fabric

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Akzo Industrial Systems Co
Atlantic Construction Fabrics Inc
BASF Corp Fibers Div
Conwed Fibers
Dewitt Co
E I DuPont de Nemours & Co
Jonathan Green Inc
Hoechst Celanese Corp
Hydro Turf & Assoc
North American Green Inc
Phillips Fibers Corp
Reemay Inc
Warren's Turf Nursery Inc
Weyerhaeuser Co

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Arborchem Products Co
Doggett Corp
Inject-O-Meter Mfg Co
LESCO Inc
J J Mauget Co
Nature's Touch
Professional Tree & Turf Equipment
Smith Precision Products
Vaughan's Seed Co

### Filters, Sand

Claude Laval Corp
Morie Co

### Foggers

B & G Equipment Co
Falkenberg Inc
Southern Mill Creek Products Co
Westheffer Co

### Forklifts

Bomford & Evershed Ltd
Brouwer Turf Equipment Ltd
Deere & Co
LESCO Inc
Raymond Corp
Teledyne Princeton
Waldon Inc

### Generators

Ariens Co
Earl J Crane Inc & Assocs
Howard S Crane Inc
Deere & Co
Dyna/ENERGX Corp
Fairmont Hydraulics
Homelite Div
Honda Power Equipment
Kawasaki Motors Corp USA
Kubota Tractor Corp
Onan Corp
Shindaiwa Inc
Tanaka Ltd
Winco/Energx Corp

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Atlantic Construction Fabrics Inc
BASF Corp Fibers Div
Dewitt Co
Jonathan Green Inc
Hydro Turf & Assoc
Phillips Fibers Corp
Reemay Inc
Warren's Turf Nursery Inc

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Columbia ParCar Corp
E-Z-GO Textron
Melex USA Inc
Noland Car Co
Professional Turf Mfg
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Anchor Swan
Arborchem Products Co
Falkenberg Inc
Friend Mfg Corp
Green Pro Services
Hahn Inc
Hannay Reels
Hydro Turf & Assoc
LESCO Inc
Maruyama US Inc
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Southern Mill Creek Products Co
Spraying Devices Inc
Strong Enterprises Inc
Tuflex Mfg Co
Westheffer Co

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Aquapore Moisture Systems
Bloch & Co
Buckner Irrigation
Earl J Crane Inc & Assocs
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Circle No. 144 on Reader Inquiry Card

*continued*

Toro Co
Wheel Spray Corp

### Litter Receptacles

Friend Mfg Corp
Outdoor Products & Supply Inc
Playworld Systems
Standard Golf Co

### Loaders

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Deere & Co
Deutz-Allis Corp
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Engineering Products Co
Ford New Holland Inc
Giant-Vac Mfg Inc
Grazer Div M & W Gear Co
Ingersoll Equipment Co
Kioti Tractor Inc
Kubota Tractor Corp
Massey-Ferguson Inc
Melroe Co
Olathe Mfg Inc
Salsco Inc
Steiner Turf Equipment Inc
Strong Mfg Co
Thomas Equipment Ltd
Waldon Inc
Westendorf Mfg Co

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Magline Inc
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Circle No. 145 on Reader Inquiry Card

*continued*

Friend Mfg Corp
Green Machine
Homelite Div
Maruyama US Inc
Solo Inc
Strong Enterprises Inc
Trebor Corp
Westheffer Co

### Moisture Sensors

Forestry Suppliers Inc
Westheffer Co

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Bolens Corp
Bunton Co
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### Mower Parts

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Dandl Mfg Co
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Jacobsen Div
Kioti Tractor Inc
Lawn-Boy Inc
LESCO Inc
Power Lawnmower Parts Inc
Scag Power Equipment Inc

### Mowers, Flail

BEFCO Inc
Bomford & Evershed Ltd
Brillion Iron Works Inc
Bush Hog
Dandl Mfg Co
Deere & Co
Ford New Holland Inc
Gravely Intl Inc
Jacobsen Div
Kubota Tractor Corp
Mathews Co
Middlesworth Engineering & Mfg Inc
MoTrim Inc
R L Parsons & Son ECI aka Micro-Mower Co
Rousseau
Toro Co
Woods Div
Yazoo Mfg Co

### Mowers, Reel

Brouwer Turf Equipment Ltd
Bunton Co
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Deere & Co
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Kubota Tractor Corp
LESCO Inc
Locke Mfg Inc
National Mower Co
Howard Price Turf Equipment
Ransomes Inc
Roseman Mfg Co
Steiner Turf Equipment Inc
Toro Co

### Mowers, Rotary

Ariens Co
BEFCO Inc
Bolens Corp
Bunton Co
Bush Hog
J I Case Outdoor Power Equipment Div
Earl J Crane Inc & Assocs
Howard S Crane Inc
Cub Cadet Commercial Mowers
Cushman
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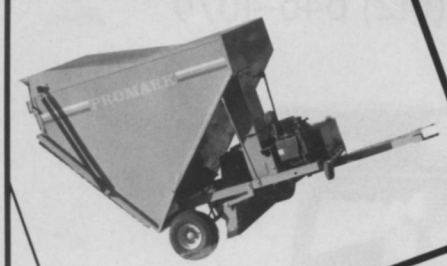
Deutz-Allis Corp
DewEze Mfg Inc
Dixon Industries Inc
Excel Industries Inc

Model 1050
Turf & Pavement Vacuum



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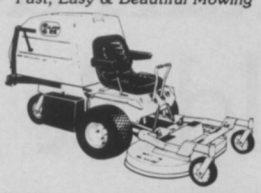

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Buckner Irrigation
Delavan
Encap Products Co
Falkenberg Inc
Green Pro Services
Hypro Corp
LESCO Inc
Na-Churs Plant Food Co
Nature's Touch
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Professional Tree & Turf Equipment
Professional Turf Mfg
Rain Bird Sprinkler Mfg
Spraying Devices Inc
Strong Enterprises Inc
Toro Co Irrigation Div
Trebor Corp
Tuflex Mfg Co
Westheffer Co

Circle No. 108 on Reader Inquiry Card

# GET SERIOUS
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Like all our equipment, the Victor 800 is built Bowie tough for long, trouble-free service. Its 800 gallon tank can easily spread 350 pounds of mulch over 8,000 square feet in one application. The Bowie Victor 800 is equipped with a built-in shredder bar, and uses twin agitators to keep slurry homogeneous. Call or write Bowie today. We make serious equipment for serious landscapers.

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Now there's the new diesel-powered model Cushman 807.

Its totally integrated power train and new hydraulically-powered steering gives you unmatched performance over the long run. The 807 dispatches thick, wet grass on tricky maneuvers around obstacles without losing ground speed. No other rotary mower gives you a cleaner cut.

At the heart of the new, four-wheel 807 is a powerful 21.5 horsepower, 3-cylinder Kubota 950 diesel engine. We've also included a heavy-duty Donaldson air cleaner and a new, heavy-duty Cushman PTO clutch to keep your new Cushman Front Line running longer. A complete family of Cushman Front Lines and a wide range of accessories are available to meet all your needs all year 'round. Choose a 3 or 4 wheel design with 60- or 72-inch side or rear discharge mower deck. Or add the exclusive Cushman Grass Caddy™ system, which lets you cut, catch, and hydraulically dump 16 bushels of clippings without leaving the seat.

For a convincing demonstration contact your Cushman dealer today. Or call toll-free: 1-800-228-4444.

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Circle No. 115 on Reader Inquiry Card

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Playworld Systems
Seymour Mfg Co

### Pipe

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LESCO Inc
Professional Turf Mfg
Westheffer Co

### Play Structures

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Oly-Ola Sales Inc
Playworld Systems
Western Wood Structures Inc

### Plows, Sand Trap

Toro Co

### Post Hole Diggers

Ames Co
BEFCO Inc
Bush Hog
Howard S Crane Inc
Deere & Co
Fairmont Hydraulics
Feldmann Engineering & Mfg Co
Ford New Holland Inc
Forestry Suppliers Inc
Gravely Intl Inc
Hoffco Inc
Kubota Tractor Corp
Massey-Ferguson Inc
Melroe Co
Mid Dakota Corp
Seymour Mfg Co

### Pressure Gauges

Arborchem Products Co
Encap Products Co
Falkenberg Inc
Green Pro Services
Hypro Corp
LESCO Inc
Na-Churs Plant Food Co
Outdoor Products & Supply Inc
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Strong Enterprises Inc
Tuflex Mfg Co
Westheffer Co

### Pruners, Hedge

Ames Co
DOB Distributors Inc
Forestry Suppliers Inc
Green Pro Services
Seymour Smith & Son Inc

### Pruners, Tree

Ames Co
DOB Distributors Inc
Fairmont Hydraulics
Fanno Saw Works
Forestry Suppliers Inc
Friend Mfg Corp
Green Machine
Green Pro Services
LESCO Inc
Seymour Smith & Son Inc
Stanley Hydraulic Tools

### Pumps

Agrotec Inc
Arborchem Products Co
Ariens Co
Berkeley Pumps
Bowie Industries Inc
Earl J Crane Inc & Assocs
Falkenberg Inc
Friend Mfg Corp
Green Pro Services
Homelite Div
Honda Power Equipment
Hydro Turf & Assoc
Hypro Corp
Kubota Tractor Corp
LESCO Inc
Maruyama US Inc
Na-Churs Plant Food Co
Otterbine/Barebo Inc
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Shindaiwa Inc
Solo Inc
Spraying Devices Inc
Stanley Hydraulic Tools
Sta-Rite Industries Inc
Strong Enterprises Inc
Tanaka Ltd
Tuflex Mfg Co
Westheffer Co
Winco/Energx Corp


# The Growing Choice

## Hydrograssers & Power Mulchers

- Low Maintenance Design
- Dual and Quad "Hydro-Jet"
- Agitation with Verticle Homogenizers
- High Speed Mulch Grinder
- No Clog Mulch Chamber
- Direct Drive

Reinco Hydrograssers and Power Mulchers offer you the dependability you need because they are designed with the operator in mind. Our Hydrograssers range in capacity from 800 to 3500 gallons and feature easier to maintain "Hydro-Jet" agitation. Reinco Power Mulchers utilize time proven straight through drive while the M80C offers as standard a variable speed automated bale feed system.

WRITE OR CALL TOLL FREE (800) 526-7687

Reinco

P.O. Box 512, Plainfield, N.J. 07061-0512 (201) 755-0921

*Dealer inquiries invited.*

Circle No. 157 on Reader Inquiry Card

***The details show that even as Bunton mowers improve they still remain the same.***

In these days of a highly competitive grounds maintenance industry, with many look-alike products, it's no longer good enough to simply say you're the best. You have to prove it. That's why it's more important than ever to examine the details before making your mower investments.

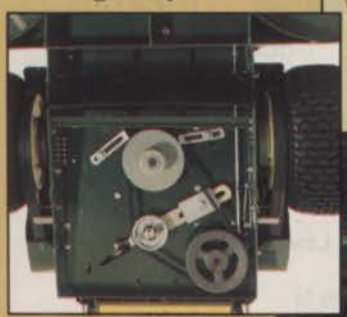
Bunton Company was founded on the belief that quality should never be compromised when engineering a commercial mower. As new features are added, it is done in the same tradition that has helped Bunton mowers maintain their integrity on the job year after year for over thirty years. Take a close look at the others and you'll find that the Bunton details really do make the difference.

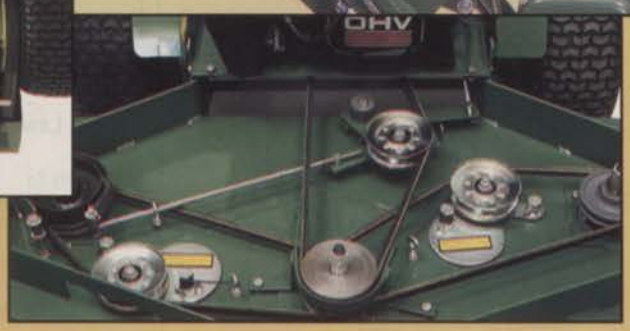
# BUNTON

***Heavy gauge welded steel deck, handles and casters on Bunton mowers assure integrity and long life.***

***The larger output shaft pulleys on Bunton mowers increase the top ground speed by up to 20%, and for optimized mowing performance, ground speed can be changed while mowing, without changing the blade and engine speed.***

***Self-adjusting idlers lock into position for steady running on ball bearings.***






***Bunton 36", 48", 52" and 61" mowers feature dual section V-belts for improved belt life due to decreased slippage under wet conditions.***

***Straight V-belts are wrapped without twists or back-bends on Buntons for increased belt life.***

***The Bunton details make the difference.***

BUNTON

**BUNTON CO.**

P.O. Box 33247
Louisville, KY 40232
Phone: 502-966-0550
Fax: 502-966-0564

Circle No. 110 on Reader Inquiry Card

Discover the Grasshopper Advantage

# Efficiency Expert!

**New Gemini hydrostatic direct drive, with smooth "natural" controls, distinctive outfront design, and zero-turn-radius maneuverability give you the ultimate in time-cutting performance and value.**

Become more efficient. Get the most from your grounds maintenance dollars. Count on the new 700 Series from Grasshopper. The new Gemini direct drive brings new standards of time-saving productivity, lower maintenance costs and long-lasting durability to turf care.

Operation is streamlined and simple. A dual-lever control system reduces fatigue by placing total command of speed, turns, braking and forward/reverse in the palm of your hand. Zero-turning-radius and outfront decks eliminate wasted motion. You can turn on a dime, reach under low-hanging trees and shrubs, maneuver between and around obstacles and trim close with unrestricted visibility.

The bottom line...Grasshopper delivers lasting value that meets the test of time — time after time!

For year-round versatility, add Quik-D-Tatch® vacuum grasscatchers for clippings or leaf pickup, a dozer blade, rotary broom, snowthrower, ROPS and cab enclosure.

**Grasshopper mowers are available in six models, from 11 to 21 hp, with cutting widths from 35 to 72 inches.**

**Ask your Grasshopper Dealer to demonstrate why Grasshopper is the best value in a hydrostatic zero-turn-radius mower. Write for free literature.**

The Grasshopper Company
1 Grasshopper Trail • P.O. Box 637 • Moundridge, KS 67107
Telephone 316-345-8621 • Telex 5106017571 • FAX 316-345-2301

OUTFRONT SINCE 1970

GRASSHOPPER

YOUR NEXT MOWER

GRA-5-89

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Circle No. 130 on Reader Inquiry Card

## Equipment

*continued*

### Rakes, Landscape

Ames Co
Earl J Crane Inc & Assocs
Howard S Crane Inc
Ford New Holland Inc
Forestry Suppliers Inc
Glenmac Inc
Jacobsen Div
LESCO Inc
Mathews Co
Outdoor Products & Supply Inc
Standard Golf Co
Yard Vac Products Inc

### Rain Sensors

Forestry Suppliers Inc
Rain Bird Sprinkler Mfg
Spectrum Technologies Inc
Toro Co Irrigation Div

### Rock Pickers

Howard S Crane Inc
Ford New Holland Inc
Glenmac Inc
KEM Enterprises Inc

Terracare Products Co

### Rollers, Lawn

Ames Co
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Howard S Crane Inc
Cushman
Gandy Co
Westheffer Co
Wheel Horse Products Inc

### Rope

Allied Products Inc
Forestry Suppliers Inc

ANNOUNCING

# LDW A BREAKTHROUGH IN COMPACT, LIQUID COOLED DIESEL TECHNOLOGY FROM LOMBARDINI

LDW signals a new lineup of engines from Lombardini and a new era in liquid cooled diesel technology. LDW includes both the full overhead control system (FOCS) and compact, heavy duty (CHD) engines, each of which sets new standards for economical, liquid cooled diesel performance.

Each of these smooth running engines is completely original, beginning with the design, and both offer the ultimate in low vibration, quiet operation and economy.

The FOCS series houses all critical components in the cylinder head to ensure minimum dimensions and easy installation and maintenance.

An indirect fuel injection system uses unit pump injectors rather than the traditional, separate components. This eliminates fuel lines and allows the FOCS to deliver optimum precision of fuel delivery throughout the performance curve.

Overall engine noise is minimized by the use of a heavy duty, toothed belt camshaft drive.

A choice of two, three or four cylinder in line configurations let you match FOCS power to your exact needs.

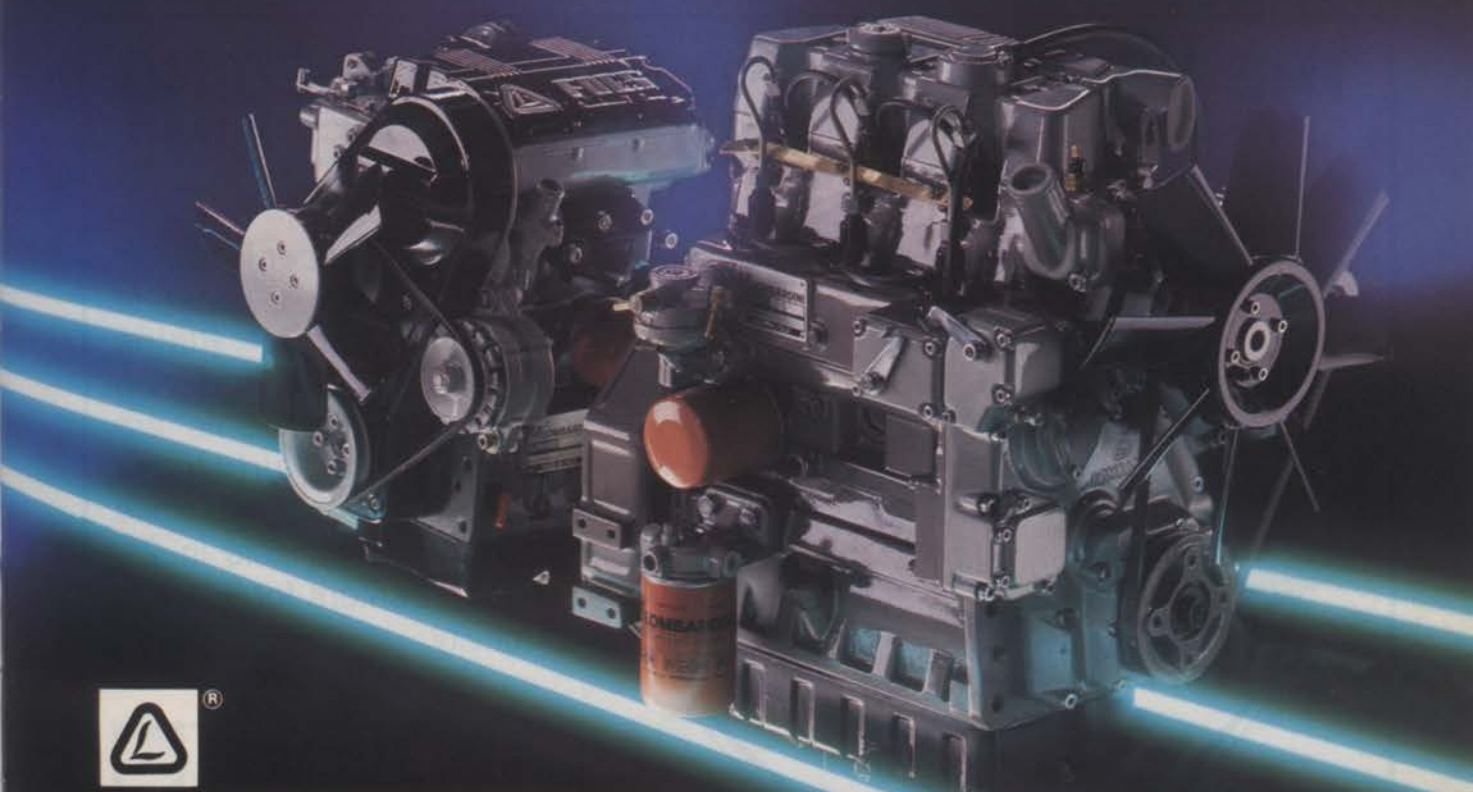
Our CHD also features indirect fuel injection. Using specifically designed individual fuel injection pumps, maximum accuracy of fuel delivery is ensured at all speeds.

Multi-cylinder configuration, reduced unitary displacement and liquid cooling make the CHD ideal for use in applications where operator comfort is of the highest concern.

Power ranges are 12-22 hp for the FOCS and 25-48 hp for the CHD.

Specific fuel consumption is just 0.42 lbs/hp/hr., the lowest of any small, indirect injected diesel. Excellent torque backup of 15% at 60% of maximum rated load means you'll have the power you need, when you need it.

The new liquid cooled lineup from Lombardini: advanced power for your toughest applications.



## LOMBARDINI USA, INC.

601 Old Norcross Place, Suite E,
Lawrenceville, GA 30245
(404) 963-4881 FAX(404) 995-1107

Circle No. 290 on Reader Inquiry Card

*continued*

LESCO Inc
Outdoor Products & Supply Inc
Power Lawnmower Parts Inc
Standard Golf Co

### Safety Wear & Equipment

Arborchem Products Co
Encon Safety Products
Forestry Suppliers Inc
LESCO Inc
3M Occupational Health & Environmental Safety Products Div
Moyer Products Inc
Outdoor Products & Supply Inc
Precision Laboratories Inc
Professional Tree & Turf Equipment
Shindaiwa Inc
Westheffer Co

### Saws

Fanno Saw Works
Forestry Suppliers Inc
Green Machine
LESCO Inc
Progressive Power Tools Corp

### Scrapers

Ames Co
Bomford & Evershed Ltd
Deere & Co
Kubota Tractor Corp

### Screeners

Earl J Crane Inc & Assocs
Lindig Mfg Corp
Royer Foundry & Machine Co

### Seeders

Aer-Way
Ames Co
BEFCO Inc
BlueBird Intl
Brillion Iron Works Inc
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Bush Hog
Earl J Crane Inc & Assocs
Cushman
Deere & Co
Finn Corp
Forestry Suppliers Inc
Great Plains Mfg
Green Pro Services
Hahn Inc
Hendrix and Dail Inc
Herd Seeder Co
Hydro Turf & Assoc
Jacobsen Div
LESCO Inc
Maruyama US Inc
Olathe Mfg Inc
Salsco Inc
Seymour Mfg Co
Thompson Seeder Co
Vicon Farm Machinery Inc

### Seeders, Hydraulic

Bowie Industries Inc
Finn Corp
Hydro Turf & Assoc
Reinco Inc


**WHY YOU SHOULD BUY HYDRO-TURF'S 1200**

**Models from 300 - 5000 gallons**

**THE MODEL 1200 IS THE MOST ADVANCED SEEDER/MULCHER EVER DEVELOPED!**

- **LOWER PROFILE** - 1100 Gallons
- **40 HP KABOTA DIESEL** (Lower Operating Cost)
- **MECHANICAL PADDLE & JET AGITATION**
- **CENTRIFUGAL PUMP** (240 GPM/100-150 PSI) No High Maintenance Gear Pumps
- **LOWER MAINTENANCE** (No Gear Boxes, Shaft Seals, Chains, Sprockets, Hydraulic Pumps, Motors.
- **FULL PORT BALL VALVES** (Little or No Clogging)
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- **500# MULCH LOADING**
- **10 Cu. Ft. TOOL BOX**
- **MULTI USE SPRAYER** (Watering, Tree & Turf Care)
- **VERSATILITY**
- **LOWER COSTS**

***Dealer and Salesman Inquiries Invited***

*EROSION CONTROL TECHNOLOGIES*

**HYDRO-TURF & ASSOC.**

160 W. INDUSTRIAL DR. GILBERTS, IL 60136
312-551-1555 800-798-8873



# THE NEW STANDARD IN OVERSEEDING AND INITIAL SEEDING

America's finest turf seeder is built in America by the finest name in grain drills, Great Plains Manufacturing. The metering and placement systems are tailor-made for turf grass seeds, while optional knife spacings are available in 2″, 3″ and 4″ centers for seeding productivity.

LAND PRIDE

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913-667-4755


Circle No. 131 on Reader Inquiry Card

# All in a day's work...

## for the Brouwer™ turf maintenance team.

1. 5 or 7 Gang Hyd. Lift P.T.O. Mowers

**The team to make easy work of your turf maintenance program. For golf courses, school boards, municipalities, highway, parks and recreation departments, airfields and landscapers, there is a Brouwer product for you.**

**Brouwer builds rugged dependability and superior quality into every product, and that means value - not only when you buy but also in the "second to none" after sales service that will keep your machinery down-time low, and you happy to have Brouwer on your side. Check these outstanding products, from the rugged, economical mowers, the high capacity Brouwer Vac to the turf renovating team of the Sod Cutter MK2 and one of those turf rollers, no matter, the Brouwer team can fit the bill...and your budget.**

2. Hydraulic lift for easy transport or storage

3. Triplex 376-A™

4. Sod Cutter MK.2™

5. Large Capacity Brouwer-Vac™

6. Turf Rollers 130, 224 & 235

7. 5 Gang Vertical Mower

## Dollar for dollar, feature for feature...no competition.

**For a live or Video demonstration of Brouwer products contact your area Brouwer dealer...TODAY**


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Fax. (416) 476-5867

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**TURF EQUIPMENT LIMITED**
An Outboard Marine Corporation Company

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Canton, MI. 48187
Tel. (313) 459-3700
Fax. (313) 459-8778



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Circle No. 109 on Reader Inquiry Card

*continued*

### Sharpeners

Earl J Crane Inc & Assocs
Forestry Suppliers Inc

### Shears

Ames Co
DOB Distributors Inc
LESCO Inc
Seymour Smith & Son Inc

### Snow Blowers

Ariens Co
Bolens Corp
J I Case Outdoor Power Equipment Div
Earl J Crane Inc & Assocs
Howard S Crane Inc
Cub Cadet Commercial Mowers
Cushman
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Ford New Holland Inc
Grasshopper Co
Gravely Intl Inc
Grazer Div M & W Gear Co
Grazer Div Willsey-D
Green Machine
Hoffco Inc
Homelite Div
Honda Power Equipment
Ingersoll Equipment Co
Jacobsen Div
Kioti Tractor Inc
Kubota Tractor Corp
Lawn-Boy Inc
Magic Circle-Dixie Chopper
Massey-Ferguson Inc
Olathe Mfg Inc
Simplicity Mfg Inc
Snapper Power Equipment
Steiner Turf Equipment Inc
Toro Co
Waldon Inc
Walker Mfg Co
Wheel Horse Products Inc

Equipment for the turf care professional. Olathe
Setting the standards for sweepers.

Feel like your grass clippings may be getting ahead of you? Try this model 54HL 5' self-propelled sweeper unit with high lift for large area cleanup. 24hp engine, hydraulic-drive, with optional thatcher, sweeps wet or dry materials using 'sure-grip' rubber fingers.

Model 166E PTO powered tow-type

Olathe personnel have been helping solve leaf/debris problems for over 30 years. Ranging in size from our model 42 (36" wide, 5hp tow-behind) to the large area tow units which are the 166e, the 166hl and the 65 PTO (all with 5' width, 5 cu. yd. capacities). Ground and high lift models.

Model 65 PTO-powered 5' width

Model 166e 5' hydraulic ground dump

Model 166hl 5' width, 81/2' lift

Model 42 tow — type, 1/2 cu. yd. 5 hp, 3' swath, finger or brush reels.

Model 41MVS - 66" wide tow-type, self-contained with 7 cu. yd. capacity

Write or call your local Olathe/Toro dealer for free demo or call 1-800-255-6438.

OLATHE MANUFACTURING, INC.
100 INDUSTRIAL PARKWAY, INDUSTRIAL AIRPORT, KANSAS 66031
800-255-6438
913-782-4396

Circle No. 149 on Reader Inquiry Card

### Snow Plows

Bolens Corp
Bomford & Evershed Ltd
J I Case Outdoor Power Equipment Div
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Gravely Intl Inc
Guest Industries Inc
Ingersoll Equipment Co
Lawn-Boy Inc
Waldon Inc
Wheel Horse Products Inc

### Sod Cutters

Ames Co
Brouwer Turf Equipment Ltd
Earl J Crane Inc & Assocs
Cushman
Teledyne Princeton
Turfco Mfg Inc

### Sod Equipment

Brouwer Turf Equipment Ltd
Fuerst Brothers Inc
Goossen Industries
Teledyne Princeton

### Sod Harvesters

Brouwer Turf Equipment Ltd
Teledyne Princeton

### Soil Moisture Sensing Equipment

Forestry Suppliers Inc
Green Pro Services
Rain Bird Sprinkler Mfg

### Soil Samplers

Forestry Suppliers Inc
Green Pro Services
JISCO
Johnson's Industrial Supply Co
LESCO Inc
Na-Churs Plant Food Co
Nature's Touch
Outdoor Products & Supply Inc
Professional Turf Mfg
Spectrum Technologies Inc
Westheffer Co

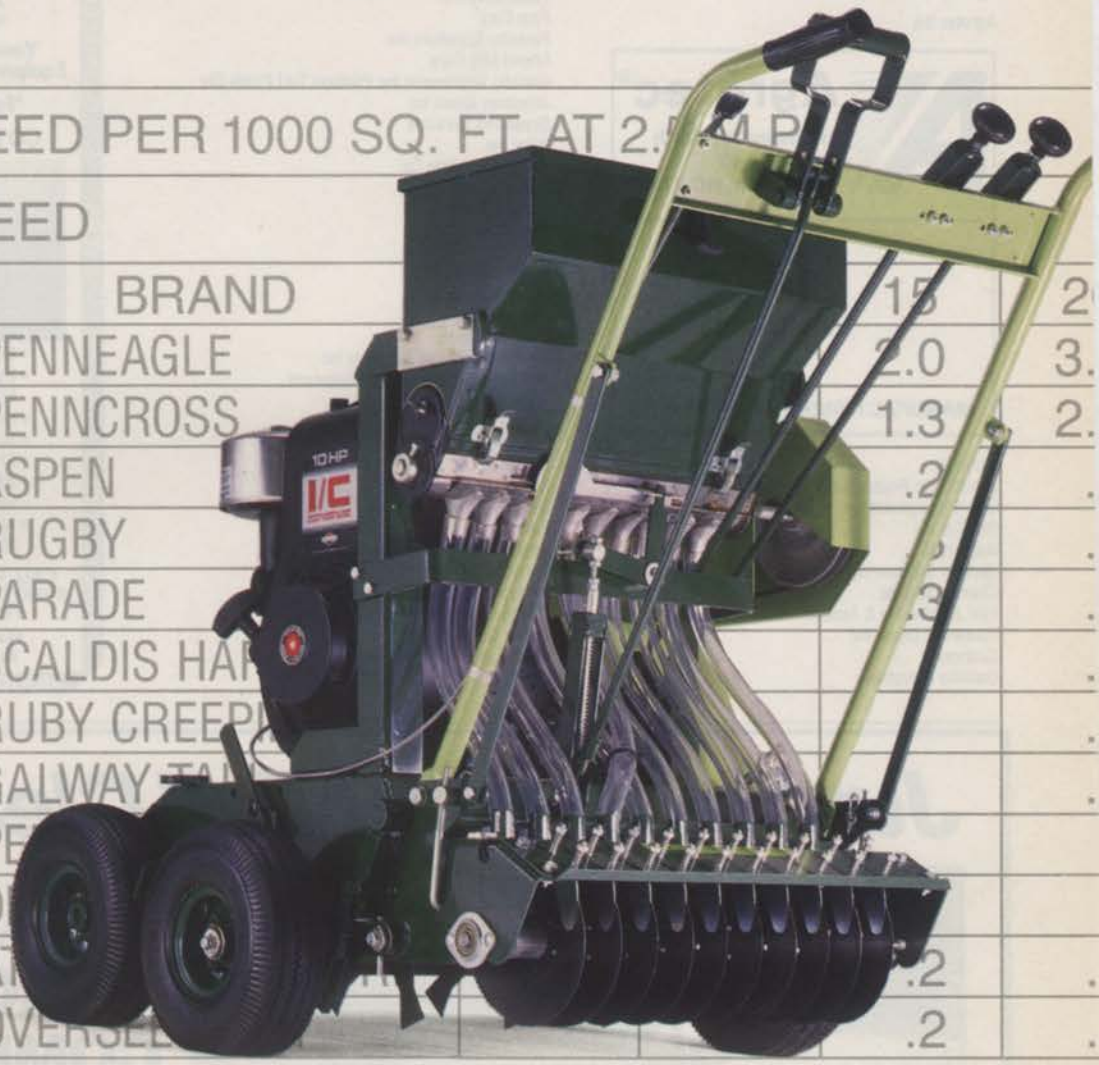
### Soil Shredders

Lindig Mfg Corp
Royer Foundry & Machine Co

### Soil Test Meters

Forestry Suppliers Inc
Green Pro Services
Nature's Touch
Outdoor Products & Supply Inc

# The art of application for maximum germination.



POUNDS OF SEED PER 1000 SQ. FT. AT 2.5 M.P.H.

| SEED | | | | | |
|---|---|---|---|---|---|
| TYPE | BRAND | | | | |
| BENTGRASS | PENNEAGLE | | | 2.0 | 3. |
| | PENNCROSS | | | 1.3 | 2. |
| KENTUCKY BLUEGRASS | ASPEN | | | .2 | |
| | RUGBY | | | | |
| | PARADE | | | .3 | |
| FESCUE | SCALDIS HA | | | | |
| | RUBY CREEP | | | | |
| | GALWAY TA | | | | |
| RYEGRASS PERENNIAL | PE | | | | |
| | D | | | | |
| MIXTURE | A | | | .2 | |
| | OVERSEE | | | .2 | |

**The Ryan® Mataway® Overseeder is simply better.**

Better results begin with the basics, like seed calibration. An easy-to-read chart on the Mataway Overseeder tells you the exact setting for pounds of seed needed per 1,000 sq. ft. Just look it up, load it up, select setting, and you're ready to go.

Two-inch spacing between rows gives you a dense pattern for one-pass application. Gandy® precision metering and an easily removed disc-type seed delivery system places the seed directly into the slits for uniform seed/soil contact allowing maximum germination.

The result is a lusher, thicker lawn.

The Ryan Mataway Overseeder gives you the flexibility to power rake, overseed, or to do both at the same time. Call today or contact your nearest Ryan dealer for more information and a free test drive demonstration.

**Call toll free 1-800-228-4444 for all the details.**

RYAN®

BUILT TO LAST

6536 Ryan, P.O. Box 82409, Lincoln, NE 68501

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Circle No. 116 on Reader Inquiry Card

*continued*

Spectrum Technologies Inc
Westheffer Co

### Sprayers

Agrotec Inc

**Agrotec®**
Highway 35, North
P.O. Box 49
Pendleton, NC 27862

Telephone:
919-585-1222
Fax:
919-585-1023

*MANUFACTURERS OF SPRAYERS*

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Arborchem Products Co
B & G Equipment Co
Broyhill Co
Bush Hog
Carlson Engineering & Mfg Inc
Country Mfg Inc
Earl J Crane Inc & Assocs
Howard S Crane Inc
Cushman
Danville Industries
Deere & Co
Deutz-Allis Corp
DOB Distributors Inc
Encap Products Co
Falkenberg Inc
Finn Corp
Forestry Suppliers Inc
Friend Mfg Corp
Garfield Williamson Inc Proform Turf Prods Div
Jonathan Green Inc
Green Pro Services
Hahn Inc
H D Hudson Mfg Co
Jacobsen Div
Kuker Industries
LESCO Inc
Maruyama US Inc
Master Mfg Co
Mid Dakota Corp
Monsanto
Nature's Touch
Outdoor Products & Supply Inc
Professional Tree & Turf Equipment
Professional Turf Mfg
Reinco Inc
Robco USA Inc
Roto-Hoe Co
Royalgard Products Co
D B Smith & Co
Solo Inc
Southern Mill Creek Products Co
Spraying Devices Inc
Spraying Systems Co
Strong Enterprises Inc
Trebor Corp
Vicon Farm Machinery Inc
Warren's Turf Nursery Inc
Westheffer Co

HANNAY RAVEN TANKS
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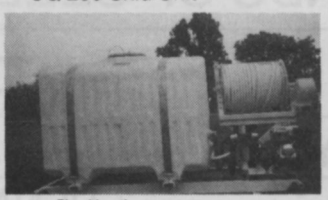
**Your Complete Lawn Care Equipment supplier For 30 years**
*Fall Special* $ 2,175.00
CQ 200 Skid Unit



- 5hp Honda
- Hypro D:30 Diaphram Pump 550 psi 9.5 gpm
- Hannay 1526 Electric Reel
- 300 Ft of 1/2" 600 psi Hose
- Chem-Lawn Gun
- 200 gallon Raven Pco Poly Tank with Stainless Steel straps.
- Also available in other sizes 50-300 gallon.

CALL TOLL FREE AND CHECK OUR EVERYDAY LOWEST PRICES ON ALL YOUR LAWN CARE NEEDS
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Kansas 1-800-332-0003
HONDA GREEN GARDE

**Just in time for Fall Clean-Up!**

NEW PATENTED
**PROMARK COMMERCIAL MODEL 750 VAC-N-MULCH**

- Patented mulching chamber reduces volume of leaves and ground litter by an easy-to-handle ratio of 10 to 1.
- Reduces your trips to the landfill location and your dumping expenses by as much as 80% to 100%.
- Material may be composted or used as mulch.

FAX US AT
(818) 961-2307

**PROMARK PRODUCTS INC.**
330 9th Ave. City of Industry, Ca. 91746. (818) 961-9783

CONTACT US TODAY
FOR COMPLETE DETAILS

Circle No. 156 on Reader Inquiry Card

# Attn: Landscape Contractors

## HydroSeeders

T-90

T-120

T-50

T-170/T-280/T-330

How many opportunities will you miss because you don't have a HydroSeeder or Mulch Spreader? Is your equipment out of date and due for replacement? Can you afford to wait another year? New Finn HydroSeeders and Mulch Spreaders with the LATEST state-of-the-art design offer the greatest return on your investment. Finn has a full line of labor saving HydroSeeders and Mulch Spreaders to choose from. Let us help you decide on the model that meets your needs.

## Mulch Spreaders

B-250

B-70

Krimper

C-15

Yes, I want to know more about how I can take that next step to greater job efficiency and cost effectiveness.

___ Send information about Finn HydroSeeders.
___ Send information about Finn Mulch Spreaders.
___ Have a Finn representative call me.
___ Send information about financing programs.

Name_____

Company: _____

Address:_____

Phone:_____

Do you currently own a HydroSeeder? _____

Mulch Spreader? _____

FINN CORPORATION

9281 LeSaint Dr. • Fairfield, Ohio • 45014

Toll-free: (800) 543-7166 • Ohio Residents Call Collect: (513) 874-2818

*PRODUCTS FOR A BETTER ENVIRONMENT*

Circle No. 127 on Reader Inquiry Card

*continued*

Wheel Horse Products Inc
Wheel Spray Corp

**WHEEL SPRAY CORP.**
BOX 97 • DELAFIELD, WI 53018
PH: (414) 646-8640
***Exclusive manufacturer of the Grounds Wheelie***

### Sprayers, Measuring Equipment

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Broyhill Co
Encap Products Co
Falkenberg Inc
Forestry Suppliers Inc
Green Pro Services
Micro-Trak Systems Inc
Nature's Touch
Professional Tree & Turf Equipment
Raven Industries Inc
Spraying Devices Inc
Strong Enterprises Inc
Trebor Corp
Westheffer Co
Wheel Spray Corp

### Spray Guns

Agrotec Inc
Arborchem Products Co
Broyhill Co
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Green Pro Services
Hypro Corp
LESCO Inc
Maruyama US Inc
Master Mfg Co
Moyer & Son Inc
Nature's Touch
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
D B Smith & Co
Southern Mill Creek Products Co
Spraying Devices Inc
Strong Enterprises Inc
Trebor Corp
Tuflex Mfg Co
Westheffer Co

### Spray Units

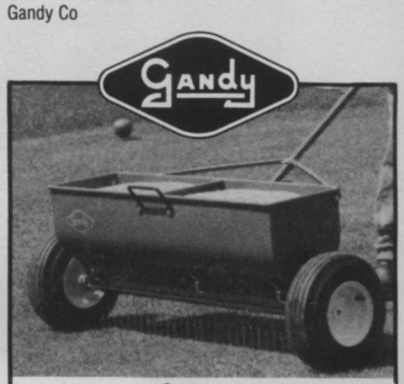
Agrotec Inc
Arborchem Products Co
Broyhill Co
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Green Pro Services
Hahn Inc
LESCO Inc
Maruyama US Inc
Na-Churs Plant Food Co
Nature's Touch
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Southern Mill Creek Products Co
Spraying Devices Inc
Strong Enterprises Inc
Trebor Corp
Tuflex Mfg Co
Westheffer Co

### Spray Units, Mixer Proportioners

Arborchem Products Co
Hypro Corp
Nature's Touch
Professional Tree & Turf Equipment
Raven Industries Inc
Strong Enterprises Inc
Westheffer Co

### Spreaders

Ames Co
BEFCO Inc
Brinly-Hardy Co
Country Mfg Inc
Cushman
Deere & Co
Deutz-Allis Corp
DOB Distributors Inc
Gandy Co



**Turf Tender® Lawn Spreaders**
**Sweep Master™ Turf Brush**
**Convertible Lawn Rollers**
**Gandy Measuring Wheels**
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**P.O. Box 528, Owatonna, MN 55060**

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Mid Dakota Corp
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Professional Tree & Turf Equipment
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PSB Co
Salsco Inc
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Seymour Mfg Co
Southern Mill Creek Products Co
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Warren's Turf Nursery Inc
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Wheel Horse Products Inc

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**One-Pass Power Rake 'n' Vac**

This one-pass grounds maintenance machine removes thatch, aeration plugs, and debris in a 5-foot swath — and mulches the materials, so they pack better and decompose faster.

Mid-flex design and 10" rollers on the floating deck give the PTO-driven flail Rake excellent tracking. An accessory hand-held vacuum hose is also available for the Vac, which is powered by its own 11 H.P. gasoline engine.

The large 128 cu. ft. capacity trailer, with automatic endgate, tilts for easy unloading.

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# MOST COMMERCIAL MOWERS DON'T HAVE THE GUTS TO MAKE THIS COMPARISON.

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Scag also manufactures a complete line of commercial riders from 40- to 72-inch cutting decks and 13 to 20HP engines, plus a new 61-inch hydrostatic rider. See the complete line of Scag commercial mowers today.

- New 72-inch deck with Kohler electric start engine makes short work of long jobs. Walker decks available from 32- to 72-inch cutting widths, 8 to 20HP engines.
- Five-speed gear box gives Scag walkers a faster ground speed than many competitive belt driven machines.
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- Scag's Twin Power Belt doubles friction to pulley surface.
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- Oversized pulleys and heavy-duty spindle housings are engineered for durability and serviceability.

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*continued*

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Ford New Holland Inc
Gandy Co
Gravely Intl Inc
Grazer Div M & W Gear Co
Grazer Div Willsey-D
Jacobsen Div
Lindig Mfg Corp
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Olathe Mfg Inc
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Tennant Co
Waldon Inc
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Arborchem Products Co
Broyhill Co
Friend Mfg Corp
Green Pro Services
LESCO Inc
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Professional Turf Mfg
Raven Industries Inc
Southern Mill Creek Products Co
Spraying Devices Inc
Strong Enterprises Inc
Tuflex Mfg Co
Westheffer Co

### Tanks, Metal

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B & G Equipment Co
Friend Mfg Corp
Professional Tree & Turf Equipment
Professional Turf Mfg
Robco USA Inc
Southern Mill Creek Products Co
Strong Enterprises Inc
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### Tanks, Polyethylene

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Arborchem Products Co
B & G Equipment Co
Broyhill Co
Green Pro Services
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Professional Tree & Turf Equipment
Professional Turf Mfg
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Southern Mill Creek Products Co
Strong Enterprises Inc
Westheffer Co

### Tillers

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BEFCO Inc
Earl J Crane Inc & Assocs
Deere & Co
Feldmann Engineering & Mfg Co
Ford New Holland Inc
Green Machine
Hoffco Inc
Homelite Div
Honda Power Equipment
Ingersoll Equipment Co
Kubota Tractor Corp
Kuhn Farm Machinery Inc
Lawn-Boy Inc
Roto-Hoe Co
Snapper Power Equipment
Solo Inc
Toro Co
Wheel Horse Products Inc

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Bush Hog
Earl J Crane Inc & Assocs
Deere & Co
Deutz-Allis Corp
Ford New Holland Inc
Gravely Intl Inc
Howard Rotavator Co
Ingersoll Equipment Co
Kubota Tractor Corp
Massey-Ferguson Inc
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Woods Div

### Tool Boxes

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# MEET THE PRO

EXPEDITE™

by Monsanto

# EXPEDITE™: THE PROFESSIONAL SYSTE

## PROfessional system of solutions

Expedite provides a complete pesticide delivery system, consisting of specially formulated, premixed pesticides and an application lance. Designed to solve a variety of application problems with ease and convenience, Expedite offers professional results through an advanced spray application technology. Additional chemistry is being developed to expand the Expedite product portfolio.

## PROgrammable control and accuracy

Easy-access controls on the Expedite lance let you adjust swath width, droplet size and flow rate for precise, accurate spraying. Two application discs let you match spray patterns to varying situations. Plus, the built-in pacer control allows for consistent walking speed and accurate calibration. It all adds up to efficient, low-volume spraying you can program for superior performance.

## PROmotes effective weed control

Both the Expedite grass and weed herbicide and broadleaf herbicide are specially formulated to provide effective control of labeled weeds. And the visible spray pattern lets you see exactly where you're spraying for improved accuracy. As a result, you can count on Expedite for general trimming and edging, spot treatments and broadcast applications.

# M TO SIMPLIFY PESTICIDE APPLICATION

**PROfitability improves**
Cost-effective Expedite lowers your expenses by making spraying a fast, efficient, one-man operation. Downtime is substantially reduced and so are additional equipment and application costs. The premixed chemicals are designed to eliminate mixing errors and waste for even more savings.

**PROtects your workers**
Expedite provides a closed system, and is designed to reduce worker exposure to pesticides. Ready-to-apply formulations come in specially designed 5-liter cartons that fit right into the backpack, so there's no exposure from mixing. Cleanup is simple and easy. And the lightweight Expedite lance and backpack minimize worker fatigue.

**PROductivity increases**
Expedite puts an end to time-consuming stop-and-start spraying. There's no mixing, measuring, water hauling or pumping. In fact, one 5-liter pack of Expedite pesticide covers up to one acre—the same as refilling a 3-gallon backpack sprayer 28 times! Just hook up, prime and spray—faster and farther than ever before.

# EXPEDITE by Monsanto

# THE PROFESSIONAL SYSTEM FOR PROFESSIONAL RESULTS*.

## The PROfessional system

Expedite provides a pesticide application system with everything you need for professional spraying.

- Rechargeable Battery-Powered Lance
- 2 Application Discs
  - Serrated — for broadcast spraying and banding (12″-36″ swath)
  - Square — for trimming, edging and spot treatments (6″-24″ swath)
- Disc Ejector Tool
- Calibration Cup
- Backpack
- Battery Recharger Pack
- Pesticide and Cleaner Formulations

## *We PROmise

Our **90-DAY GUARANTEE*** assures a full refund if you're not satisfied with Expedite equipment or pesticides. In addition, our **ONE-YEAR WARRANTY*** covers all Expedite lance parts and repair costs for one year from the date of purchase.

## Meet the PRO *today!*

Solve your pesticide application problems like a pro, with the new system of solutions: **EXPEDITE.**

For more information about Expedite call toll-free

# 1-800-225-2883 *now.*

***For complete details refer to the warranty provided with the Expedite lance.**

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EXP-9-100

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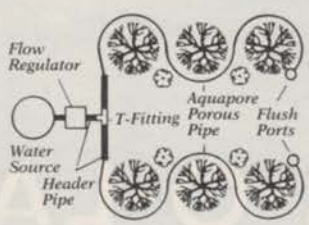


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Font'N-Aire® is an aesthetically appealing, floating fountain that is biologically functional as well as visually appealing. Font'N-Aire® aids in the removal of unsightly algae in ponds and lakes without the use of chemicals or herbicides.

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CUSHMAN

BUILT TO LAST

*Does not include sales tax, freight or dealer prep. Prices may vary with dealer.

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★Continental Bridge
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800-328-2047
800-572-7002(in MN)

Conwed Fibers
1985 Tate Blvd SE Ste 350
Hickory NC 28601
704-327-6670

Country Mfg Inc
333 Salem Ave Ext
PO Box 104
Fredericktown OH 43019
614-694-9926

Earl J Crane Inc & Assocs
3975 County Rd 19
Tiffin OH 44883
419-447-8313

Howard S Crane Inc
Box 88
Oneida NY 13421
315-363-3390

Creative Sales Inc
222 N Park Ave
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Fremont NE 68025
402-727-4800
800-759-7739

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216-273-4550

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402-474-8494
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316-896-7381

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314-472-0048

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405-336-4402

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316-251-2000

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Mishawaka IN 46545-6594
219-259-2461

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312-593-6464

Encon Safety Products
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713-462-4723

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200 S Ridge Rd
Hesston KS 67062
316-327-4911

Exmark Mfg Co
Industrial Park
Beatrice NE 68310
402-223-4010

★E-Z-GO Textron
PO Box 388
1451 Marvin Griffin Rd
Augusta GA 30913-2699
404-798-4311

Fairmont Hydraulics Div Fairmont Railway Motors-Harsco Corp
415 N Main St
Fairmont MN 56031
507-238-4357

Falkenberg Inc
9420 SE Lawnfield
Portland OR 97015-9611
503-659-8655
800-424-7867

Fanno Saw Works
PO Box 628
Chico CA 95927
916-895-1762

Feldmann Engineering & Mfg Co
520 Forest Ave
Sheboygan Falls WI 53085-0908
414-467-6167

★Finn Corp
9281 LeSaint Dr
Fairfield OH 45014
513-874-2818

★Ford New Holland Inc
500 Diller Ave
New Holland PA 17557
717-355-1121

Foresight Products Inc
6430 E 49 Dr
Commerce City CO 80022
303-286-8955

Forestry Suppliers Inc
205 W Rankin St
PO Box 8397
Jackson MS 39284-8397
601-354-3565

Franklin Electric
400 Spring St
Bluffton IN 46714
219-824-2900

Friend Mfg Corp
Prospect St
Gasport NY 14067
716-772-2622

Fuerst Brothers Inc
PO Box 427
Gibson City IL 60936
800-435-9630

Gandy Co
528 Gandrud Rd
Owatonna MN 55060
507-451-5430
800-544-2639

Gardenamerica
27940 Beale Ct
Valencia CA 91355
800-634-TURF

Garfield Williamson Inc
Proform Turf Products Div
9 Stewart Place
Fairfield NJ 07006
201-882-7755



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# THE PROVEN PROFIT-MAKER.

Get ready to profit from fall lawn renovation with the LESCO Renovator 20. It's the easy-to-operate slicer/seeder with built-in maneuverability and proven performance.

Powered by an 8-HP Honda engine, the LESCO Renovator 20 features exclusive hydraulic drive with 0 to 2 mph forward speed control. Spring-loaded reverse gives the unit greater maneuverability in tight areas and simplifies trailer loading and unloading. A compact low-profile design provides excellent hillside stability.

Last year, the renovator supply did not meet demand. It could happen again. Prepare now to profit this fall. Order the proven profit-maker today.

We're ready to deliver. Contact your LESCO sales representative, visit the nearest LESCO Service Center or call toll free (800) 825-3726.

LESCO

LESCO, Inc.
20005 Lake Road
Rocky River, Ohio 44116
(216) 333-9250

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*continued*

Giant-Vac Mfg Inc
PO Box 195
South Windham CT 06266
203-423-7741

Glenmac Inc
1805 Second Ave SW
PO Box 2135
Jamestown ND 58402
701-252-9300

Golf 2000 Corp
9842 Hibert St, Ste 257
San Diego CA 92131
800-824-9029 wait for tone 753

★Goossen Industries
925 W Court St
Beatrice NE 68310
402-228-4226

★Grasshopper Co
One Grasshopper Trail
PO Box 637
Moundridge KS 67107
316-345-8621

Gravely Intl Inc
One Gravely Lane
Clemmons NC 27012
919-766-4721

Grazer Div Willsey-D Inc
130 Main St
PO Box 460
Maple Hill KS 66507
913-663-2228

Grazer Div M & W Gear Co
Rt 47 S
Gibson City IL 60936
217-784-4261

★Great Plains Mfg
PO Box 218
Affaria KS 67416
913-667-4755

Green Care Intl
17851 Georgetown Lane
Huntington Beach CA 92647
714-842-6003

Jonathan Green Inc
Squankum-Yellowbrook Rd
PO Box 326
Farmingdale NJ 07727
201-938-7007

Green Machine
20710 S Alameda St
Long Beach CA 90810
213-603-9888

Green Pro Services
380 S Franklin St
Hempstead NY 11550
516-538-6444

Guest Industries Inc
3601 Winsted Rd
Torrington CT 06790
203-482-1118

Hahn Inc
1625 N Garvin St
Evansville IN 47711-4596
812-428-2020

Hancor Inc
PO Box 1047
Findlay OH 45839
419-422-6521

Hannay Reels
600 E Main St
Westerlo NY 12193
518-797-3791

Heckendorn Mfg Co
302 Main
Cedar Point KS 66843
316-274-4201

Hendrix & Dail Inc
803 Industrial Blvd
PO Box 648
Greenville NC 27835-0648
919-758-4263

Herd Seeder Co
US 35 SE
Box 448
Logansport IN 46947
219-753-6311

Hi-Ranger Inc
N4 W22610 Bluemound Rd
Waukesha WI 53187
414-547-1000

Hoechst Celanese Corp
Interstate 85 @ Rd 57
PO Box 5887
Spartanburg SC 29304
800-845-7597

Hoffco Inc/Comet Industries
Div of Hoffco
358 NW "F" St
Richmond IN 47374-9971
317-966-8161
800-999-8161

Homelite Div Textron Inc
14401 Carowinds Blvd
Charlotte NC 28241
704-588-3200

Honda Power Equipment
100 W Alondra
Gardena CA 90247
213-327-8281

Howard Rotavator Co
102 Howard Ave
PO Box 7
Muscoda WI 53573
608-739-3106

H D Hudson Mfg Co
3439 Merriam Dr
Overland Park KS 66203
913-677-0094

Hunter Industries
1940 Diamond St
San Marcos CA 92069
619-744-9130

Hydro Turf and Assoc
160 W Industrial Dr
Gilberts IL 60136
312-551-1555

Hypro Corp
375 Fifth Ave NW
New Brighton MN 55112
612-633-9300

Imler Industries Inc
1117 Broadview
Columbus OH 43212
614-486-9068(OH)
800-433-1764

Ingersoll Equipment Co
PO Box 5001
Winneconne WI 54986
414-582-4455

Inject-O-Meter Mfg Co
820 Thornton St
Clovis NM 88101
505-763-4461

★Jacobsen Div Textron Inc
1721 Packard Ave
Racine WI 53403
414-637-6711

Jerr-Dan Corp
1080 Hykes Rd
Greencastle PA 17225
717-597-7111

JISCO
1941 Karlin Dr
St Louis MO 63131
314-966-2420

Johnson's Industrial Supply Co
1941 Karlin Dr
St Louis MO 63131
314-966-2420

Kadco Inc
27 Jumel Place
Saratoga Springs NY 12866
518-587-2224

Kalo Inc
4370 W 109 St
Overland Park KS 66211-1311
913-491-9125

Kawasaki Motors Corp USA
PO Box 25252
Santa Ana CA 92799
714-770-0400 ext 2203

Kawasaki Motors Corp Engine Div
650 Industrial Circle S
PO Box 504
Shakopee MN 55379
612-445-6060

F D Kees Mfg Co
700-800 Park Ave
Beatrice NE 68310
402-223-2391

KEM Enterprises Inc
18425 Eighth Ave SW
Seattle WA 98166
206-433-0407

Kinco Mfg
170 N Pascal
St Paul MN 55104
612-644-4666

Kioti Tractor Inc
6620 NE 79 Ct Ste 4
Portland OR 97218
503-252-3854

Kohler Co
Engine Div
444 Highland Dr
Kohler WI 53044
414-457-4441

Komatsu Dresser
4275 Shackleford Rd
Norcross GA 30093-2979
800-627-1700

★Kubota Tractor Corp
550 W Artesia Blvd
Compton CA 90220
213-537-2531



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# Lightweight production mowing isn't just for golf courses.

**The new Jacobsen HM-11 combines proven, quality lightweight mowing with a versatile 4-WD design to deliver a beautiful fairway-like cut in places that might surprise you.**

Roughs, parks, universities, cemeteries . . . virtually anywhere you've always wanted a beautiful cut and high productivity, the versatile, high-capacity Jacobsen HM-11 delivers.

**On-demand 4-wheel drive,** a wide-track stance and powerful diesel take the HM-11 up challenging slopes that are too much for 2-wheel drive competitors.

**Five heavy-duty 30″ reels** sweep through demanding schedules with an 11′ cutting width. Just a touch of your toe lifts and lowers all reels simultaneously for more efficient cross-cutting. And you can get into those tight spots by mowing with 3-, 4- or 5-gangs.

Fixed or floating, our unique heavy-section reels hug the ground in all types of grass, for a smooth cut at higher mowing speeds and better thatch control. Your choice of tough Jacobsen 6- or 10-blade reels, and high-speed or high-torque hydraulic reel motors match the HM-11 to your specific conditions. Plus, the fully programmable console—with cruise control—maximizes productivity.

**Excellent maneuverability** increases its versatility. Compact design and rear-wheel power steering make the HM-11 more agile and easy to operate. With a compact 70″ transport width, even narrow paths and bridges won't stand in its way.

For quality mowing at ¾″ and above, nothing else comes close. And for tournament-quality fairways at less than ¾″, Jacobsen leads the way again with the unique, up-front design of the LF-100.

To see either of these lightweight wonders in action, contact your Jacobsen distributor for a complete demonstration. Lease and finance plans available.

Jacobsen Division of Textron Inc., Racine, WI 53403.

JACOBSEN
TEXTRON
Jacobsen Division of Textron Inc.

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Kuhn Farm Machinery Inc
PO Box 224
Vernon NY 13476
315-829-2620

Kuker Industries
13709 Industrial Rd
Omaha NE 68112
402-895-3050

Kut-Kwick Corp
1927 Newcastle St
Brunswick GA 31520
912-265-1630

Claude Laval Corp
1911 N Helm Ave
Fresno CA 93727
209-255-1601

★Lawrence Inc
15170 Hickory St
Spring Lake MI 49456
616-847-4200

Lawn-Boy Inc
Hwy 57 S
Plymouth WI 53073
414-893-1011

★LESCO Inc
20005 Lake Rd
Rocky River OH 44116
216-333-9250

Lindig Mfg Corp
1875 W County Rd C
St Paul MN 55113
612-633-3072

Little Beaver Inc
PO Box 840
Livingston TX 77351
409-327-3121

Locke Mfg Inc
1100 Boston Ave
Bridgeport CT 06610
203-333-3157

★Lombardini USA Inc
601 Old Norcross Place Ste E
Lawrenceville GA 30245
404-963-4881
Fax 404-995-1107

Magee Machine & Mfg
4300 Forney Rd
Mesquite TX 75149
214-285-2554

Magic Circle Corp Dixie Chopper
RR 1 Box 345
Coatesville IN 46121
317-246-6845

Magline Inc
503 Mercer St
Pinconning MI 48605
517-879-2411

Maibo Inc
Rte One, E Stone Dr
Kingsport TN 37660
800-331-2306 800-543-8694(CA)

Mar-Mac Mfg Co
PO Box 278
McBee SC 29101
803-335-8211

★Maruyama US Inc
15436 NE 95 St
Redmond WA 98052
206-885-0811

Massey-Ferguson Inc
1901 Bell Ave
Des Moines IA 50315
515-247-2098

Master Mfg Co
119 Main St
PO Box 3806
Sioux City IA 51102
712-258-0108

Mathews Co
500 Industrial Ave
Crystal Lake IL 60012
815-459-2210

J J Mauget Co
2810 N Figueroa St
Los Angeles CA 90065
213-227-1482

Mazda
7755 Irvine Center Dr
Irvine CA 92718
714-727-1990

Melcher Mfg Co
E 6017 Mission
Spokane WA 99212
509-535-7626

Melex USA Inc
1221 Front St
Raleigh NC 27609
919-828-7645

Melroe Co
PO Box 6019
Fargo ND 58108-6019
701-241-8700

Micro-Trak Systems Inc
PO Box 3699
Mankato MN 56002
507-257-3600

Mid Dakota Corp
Box 728
Garrison ND 58540
701-337-5619

Middlesworth Engineering & Mfg Inc
1050E 200N
PO Box 165
Greentown IN 46936
317-628-2230

3M Occupational Health & Environmental Safety Div
Bldg 220-3E-04
3M Center
St Paul MN 55144-1000
800-666-6477

Mitsubishi
6400 W Katello
Cypress CA 90630
714-372-6424

Moisture Systems
Professional Irrigation Div
PO Box 574
Glastonbury CT 06033
203-633-3934

★Monsanto
800 N Lindbergh
St Louis MO 63167
314-694-4310
800-225-2883

Morbark Industries Inc
PO Box 1000
Winn MI 48896
517-866-2381

Morie Co
1201 N High St
Millville NJ 08332
609-327-4500

Motorola Control Systems
3039 Kilgore Rd Ste 190
Rancho Cordova CA 95670
916-635-8884

MoTrim Inc
1070 Byesville Rd
Cambridge OH 43725
614-439-2725

Moyer & Son Inc
PO Box 198
Souderton PA 18964
800-345-0419

Moyer Products Inc
3321 W Castor
Santa Ana CA 92704
714-549-2871

Na-Churs Plant Food Co
421 Leader St
Marion OH 43302
614-382-5701

Nalco Chemical Co
One Nalco Center
Naperville IL 60566-1024
312-961-9500

★National Mower Co
700 Raymond Ave
St Paul MN 55114
612-646-4079

Nature's Touch
Div of Agro Chem Inc
11150 Addison St
Franklin Park IL 60131
312-455-6900

Nissan Motor Corp USA
18501 S Figueroa
Carson CA 90248-4504
213-719-5743

Noland Car Co
PO Box 190
Edgewater FL 32032-0190
904-427-9645

North American Green Inc
14649 Hwy 41 N
Evansville IN 47711
812-867-6632

★Olathe Mfg Inc
100 Industrial Pkwy
Industrial Airport KS 66031
913-782-4396
800-255-6438
Fax 913-764-1473

Oly-Ola Sales Inc
148 W St Charles Rd
Villa Park IL 60181
312-833-3033
800-EDGINGS
Fax 312 833-0816

Omark Industries
4909 SE International Way
Portland OR 97222
503-653-8881



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# KUBOTA HAS THE MOWER IF YOU'RE SO INCLINED.

It doesn't have to be an uphill grind. Not with Kubota's F2400 Front Mower. Four-wheel drive delivers traction where you need it most – on uneven, slick or damp ground. No more wheel-spinning means no more turf damage.

If you're up against one tough obstacle course, there's rear-wheel steering and independent brakes. Together, they provide the tightest possible turning radius.

Then for your mowing comfort, there's our famous clutchless hydrostatic transmission, as well as power steering and tilt-wheel.

Attachments? You can choose from a 60" or 72" rotary mower, a flail mower, rotary broom, front blade or snowblower. Even a grass catcher with 60" and 72" dumping heights. Of course, they're all lifted hydraulically. Effortlessly.

And its powerful, economical 24hp diesel engine will leave you wondering why anyone would own anything less. So if you've got the inclination, just write for our free Grounds Maintenance Equipment Guide at Kubota Tractor Corporation, P.O. Box 7020-A, Compton, CA 90224-7020.

KUBOTA
Nothing like it on earth.

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★Onan Corp
1400 73 Ave NE
Minneapolis MN 55432
612-574-5000

★Otterbine/Barebo Inc
Rd 2 Main Rd E
PO Box 217
Emmaus PA 18049
215-965-6018
Fax 215-965-6050

Outdoor Products & Supply Inc
3924 Orchard Rd
Cleveland Heights OH 44121
216-587-5438

R L Parsons & Son ECI
AKA The Micro-Mower Co
7155 State Rt 142 SE
PO Box 28
West Jefferson OH 43162-0028
614-879-7601

Permaloc Aluminum Edging
13505 Barry St
Holland MI 49424
800-356-9660

Phillips Fibers Corp
PO Box 66
Greenville SC 29602
803-242-6600

Playworld Systems
PO Box 227
New Berlin PA 17855
800-233-8404

★Polaris Industries Inc
1225 N Hwy 169
Plymouth MN 55441
612-542-0500

Power Lawnmower Parts Inc
1920 Lyell Ave
PO Box 60860
Rochester NY 14606
716-458-0800

Precision Products Inc
2415 S Grand Ave
Springfield IL 62708
217-528-1331

Presto Products Co
PO Box 2399
Appleton WI 54913
414-739-9471

Howard Price Turf Equipment
18155 Edison Ave
Chesterfield MO 63005
314-532-7000

Professional Tree & Turf Equipment
6945 Indiana Ct Ste 400
Golden CO 80403
303-422-7608
800-237-7785

Professional Turf Mfg
1801 Industrial Park Rd
Normal IL 61761
309-452-2155
800-367-9091

Progressive Electronics Inc
325 S El Dorado
Mesa AZ 85202
602-966-2931

Progressive Power Tools Corp
303 N Rose St, Ste 304
Kalamazoo MI 49007
800-635-5465
Fax 616-342-0517

★Promark Products Inc
330 Ninth Ave
City of Industry CA 91746
818-961-9783

PSB Co
555 W Goodale St
Columbus OH 43216
614-228-5781

Rain Bird Sprinkler Mfg
145 N Grand Ave
Glendora CA 91740
818-963-9311

★Ransomes Inc
One Bob Cat Lane
Johnson Creek WI 53038
414-699-2000

Raven Industries Inc
205 E Sixth
PO Box 1007
Sioux Falls SD 57117
605-336-2750

Ravens Metal Products
Trailite Div
PO Box 1168
Parkersburg WV 26102-1168
304-275-4247
Fax 304-275-4368

Rayco Mfg Inc
6822 Lincoln Way E
Wooster OH 44691
800-392-2686
800-392-2687 (OH)

Raymond Corp
S Canal St
Greene NY 13778
800-235-7200

Reach-All Inc
1300 Port Terminal Dr
Duluth MN 55816
218-722-9200

Reading Body Works Inc
Hancock Blvd & Gerry St
Reading PA 19611
215-775-3301

Reemay Inc
1000 Industrial Rd
PO Box 511
Old Hickory TN 37138
615-847-7000

C L Reilly Tree Service & Mfg
RR 1 Box 73
Crystal ND 58222
701-657-2369

★Reinco Inc
520 North Ave
PO Box 512
Plainfield NJ 07060
800-526-7687

Richway Industries Ltd
525 Main St
Janesville IA 50647
319-987-2976

Robco USA Inc
PO Box 5556
Walnut Creek CA 94596
415-827-0926

Roseman Mfg Co
Box 158, Rte 29
Collegeville PA 19426
800-752-7673
215-489-1400 (PA)

Roto-Hoe Co
100 Auburn Rd
Newbury OH 44065
216-564-2294

Rousseau
8433 Mid County Ind
St Louis MO 63114
314-426-7377

Royalgard Products Co
100 Paces W, Ste 1240
2727 Paces Ferry Rd NW
Atlanta GA 30339
404-333-9067

Royer Foundry & Machine Co
158 Pringle St
Kingston PA 18702
717-287-9624

Salsco Inc
105 School House Rd
Cheshire CT 06410
203-271-1682

Sarlo Power Mowers Inc
2315 Anderson Ave
Fort Myers FL 33901
813-332-1955

★Scag Power Equipment Inc
1000 Metalcraft Dr
Mayville WI 53050
414-387-0100

★O M Scott & Sons Co
14111 Scottslawn Rd
Marysville OH 43041
513-644-0011(OH call collect)
800-543-0006

Seaman-Parsons Corp
W161 N9116 Hayes Ave
Menomonee Falls WI 53051
414-251-3860

Sensation Div Gilson Brothers
Cty Trunk PP
PO Box 152
Plymouth WI 53073
414-893-1011

Seymour Mfg Co
500 N Broadway
Seymour IN 47274
812-522-2900

Shindaiwa Inc
11975 SW Herman Rd
Tualatin OR 97062
503-692-3070

Simplicity Mfg Inc
500 N Spring St
Port Washington WI 53074
414-377-5450

D B Smith & Co
Main St
Utica NY 13501
315-735-5223

Seymour Smith & Son Inc
900 Main St
Oakville CT 06779
203-274-2558



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# ANOTHER TURN FOR THE BETTER

Ransomes out-maneuvers the competition. Again. With the new T-3100 Bobcat (our idea of a great machine). Hydrostatic drive eliminates bothersome clutching and shifting. Just effortless forward and reverse control from a single foot pedal. And a three-wheel ride means precise turns for close trim work. If you think all this makes the T-3100 expensive, forget it. It's the most affordable commercial rider in its class.

The new T-3100 Bobcat from Ransomes.
Where else would you turn for great ideas?

For more great ideas, turn to your Ransomes distributor. Or, call Ransomes, Inc., One Bob Cat Lane, Johnson Creek, WI 53038, (414) 699-2000.

**RANSOMES**

**BOB-CAT®**

WHERE GREAT IDEAS START

Circle No. 273 on Reader Inquiry Card

## Equipment Companies

*continued*

Smith Precision
1299 Lawrence Dr
Newbury Park CA 91320
805-498-6616

Snapper Power Equipment
535 Macon Rd
McDonough GA 30253
404-957-9141

Solo Inc
5100 Chestnut Ave
Newport News VA 23605
804-245-4228

Southern Mill Creek Products Co
5414 N 56 St
Tampa FL 33610
813-626-2111

Spectrum Technologies Inc
12010 S Aero Dr
Plainfield IL 60544
800-248-8873

Spraying Devices Inc
PO Box 3107
Visalia CA 93278
209-651-1306

Spraying Systems Co
North Ave
Wheaton IL 60188
312-665-5000

Standard Golf Co
220 E Fourth St
PO Box 68
Cedar Falls IA 50613
319-266-2638

Standard Oil Engineered Materials Co
6180 Cochran Rd
PO Box 391316
Solon OH 44139
216-349-6882

Stanley Hydraulic Tools
3810 SE Naef Rd
Milwaukie OR 97267
503-659-5660

Sta-Rite Industries Inc
293 S Wright St
Delavan WI 53115
414-728-5551

Steiner Turf Equipment Inc
930 Penn Ave
PO Box 85
Orrville OH 44667
216-683-0055

Strong Enterprises Inc
14090 SW 144 Ave Rd
Miami FL 33186
305-235-0967

Strong Mfg Co
N US Hwy 79
PO Box 8068
Pine Bluff AR 71611
501-535-4753

Submatic Inc
PO Box 246
Lubbock TX 79408
806-747-9000

Sumitomo Corp of America
Machinery Dept
345 Park Ave
New York NY 10154

Supreme Corp
16500 CR 38
PO Box 463
Goshen IN 46526
219-642-4888

Tanaka Ltd
22121 Crystal Creek Blvd SE
Bothell WA 98021
206-481-2000

Taylor-Dunn
2114 W Ball Rd
Anaheim CA 92804
714-956-4040

Tecumseh Products Co
900 North St
Grafton WI 53024
414-377-2700

Teledyne Princeton
955 W Walnut St
Canal Winchester OH 43110
614-837-9096

Teledyne Total Power
3409 Democrat Rd
Memphis TN 38118
901-365-3600


# RIDE A WALKER

*Discover Fast, Competitive, Profitable Mowing*

Most commercial mowing operations are using walk-behind mowers because they have concluded no rider mower is compact or maneuverable enough to mow landscaped areas. Now maintenance operators all across the country are discovering the compact, maneuverable *Mid-Size Walker Mower* fits their job and saves labor (usually cuts labor 1/2). The labor saving *Walker* looks good whether your business is trying to produce profit or is operating on a budget. Write or call for a free brochure. Ask for a demonstration.

**Walker Manufacturing Company, 1839 East Harmony Road, Ft. Collins, CO 80525 • 1-800-777-0356**

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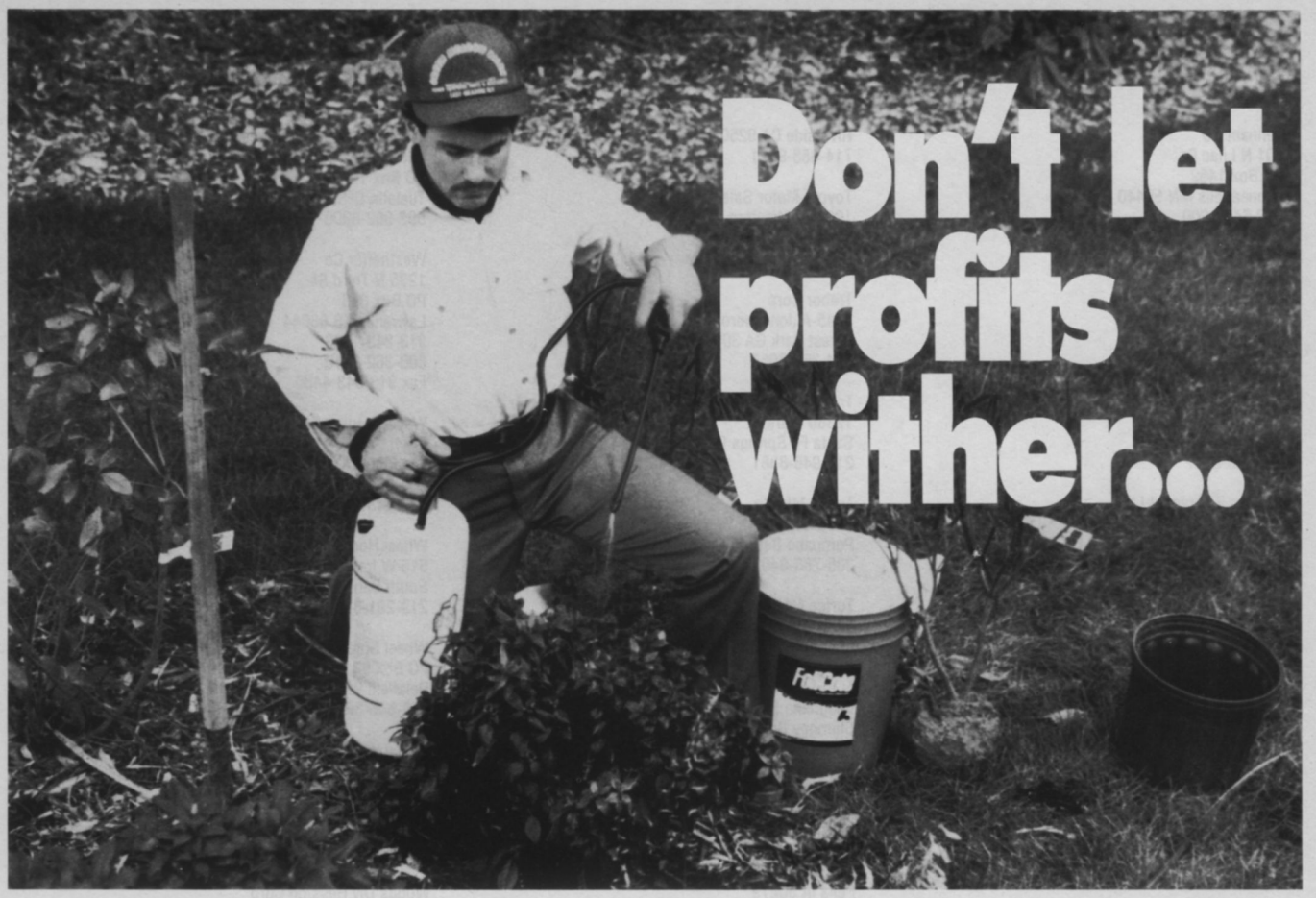



# ...Plant it right the first time.

Call-backs can be costly, and aggravating. Lock moisture in the plant and increase plant survival—use FOLICOTE® transpiration minimizer.

FOLICOTE reduces transplant shock and transportation stress by limiting foliar moisture loss. And FOLICOTE protects established plants from winter damage caused by sun or wind and summer drought conditions.

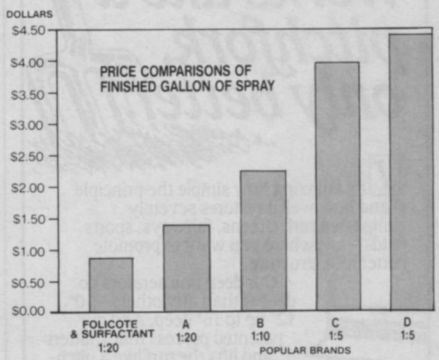
FOLICOTE is a wax emulsion transpiration minimizer that reduces moisture loss by partially blocking stomates, without interfering with plant growth. When used as directed, FOLICOTE has been proven effective and non-phytotoxic on a wide range of plants.

## EASY & ECONOMICAL TO APPLY

FOLICOTE mixes easily with water and stays mixed. It forms a thin, natural-looking waxy layer on foliage. And it cleans out of spray equipment with warm, soapy water.

At a cost of about $0.87 per finished gallon (including surfactant), FOLICOTE costs about half as much as its nearest competitor.

Consider offering your customers an economical FOLICOTE summer or winter protection application.




Apply FOLICOTE when shipping, transplanting and protecting... it adds up to greater profits for you and customer satisfaction. Can you afford to plant without it?

*Ask your distributor about FOLICOTE, or call us.*

**1-800-257-7797, in N.J. (609) 665-1130**

**AQUATROLS**

***The Water Management People***

1432 Union Avenue, Pennsauken, NJ 08110 FAX: (609) 665-0875

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*continued*

Tennant Co
701 N Lilac Dr
PO Box 1452
Minneapolis MN 55440
612-540-1200

Terracare Products Co
PO Box 506
Pardeeville WI 53954
608-429-3402
Fax 608-429-2889

Terrain Vehicles Inc
221 Mitchell Court
PO Box 418
Addison IL 60101
312-953-8747

Thomas Equipment Ltd
55 Torlake Crescent
Toronto ON Canada M8Z 1B4
416-252-3714
Fax 416-259-0713

Thompson Seeder Co
US Hwy 35 S
PO Box 776
Logansport IN 46947
219-753-6366

★Toro Co
8111 Lyndale Ave S
Bloomington MN 55420
612-887-8805

Toro Co Irrigation Div
5825 Jasmine St
Riverside CA 92504
714-688-9221

Toyota Motor Sales USA Inc
19001 S Western Ave
Torrance CA 90509
213-618-4000

Trebor Corp
4045-A Jonesboro Rd
Forest Park GA 30050
404-366-0957

Trojan Battery Co
12380 Clark St
Santa Fe Springs CA 90670
213-946-8381

Tuflex Mfg Co
1406 SW Eighth St
Pompano Beach FL 33069
305-785-6402

Turfco Mfg Co
3456 Washington Ave N
Minneapolis MN 55412
612-588-0741

Vaughans Seed Co
Chimney Rock Rd
PO Box 469
Bound Brook NJ 08805
201-356-4200

Vermeer Mfg Co
New Sharon Rd
PO Box 200
Pella IA 50219
515-628-3141

★Verti-Drain
415 Washington Ave
Scranton PA 18503
717-961-6120

Vicon Farm Machinery Inc
3741 Cook Blvd
PO Box 6313
Chesapeake VA 23323
804-485-1600

Waldon Inc
201 W Oklahoma Ave
Fairview OK 73737
405-227-3711

★Walker Mfg Co
1839 E Harmony Rd
Fort Collins CO 80525
303-226-1514

Warren's Turf Nursery Inc
Cordelia & Chadbourne Rds
PO Box 459
Suisun City CA 94585
707-422-5100

Weather-matic
3301 W Kingsley Rd
Garland TX 75041-2207
214-278-6131

★Wells Cargo Inc
McNaughton St
PO Box 728-837
Elkhart IN 46515
219-264-9661
800-348-7553

Westendorf Mfg Co
Hwy 175
PO Box 29
Onawa IA 51040
712-423-2762

Western Wood Structures Inc
20675 SW 105 St
PO Box 130
Tualatin OR 97062
503-692-6900

Westheffer Co
1235 N Third St
PO Box 363
Lawrence KS 66044
913-843-1633
800-362-3110
Fax 913-843-4486

Weyerhaeuser Co
EF-4
Tacoma WA 98477
206-924-3138
800-443-9179

Wheel Horse Products Inc
515 W Ireland Rd
South Bend IN 46614
219-291-3112

Wheel Spray Corp
PO Box 97
Delafield WI 53018
414-646-8640

Winco/Energx Corp
245 E Sixth St
St Paul MN 55101-1988
612-293-0740
Telex: 29-0740 ENERGY STP
Fax: 612-292-0851

Woods Div Hesston Corp
Hwy 2 S
PO Box 1000
Oregon IL 61061
815-732-2141

Woodstream Corp
69 N Locust St
Lititz PA 17543
717-626-2125

Yamaha
6555 Katella Ave
Cypress CA 90630
714-761-7304
800-447-4700

Yard Vac Products Inc
3849 E Ventura
Fresno CA 93702
209-251-7125

Yazoo Mfg Co
3650 Bay St
Jackson MS 39216
601-366-6421


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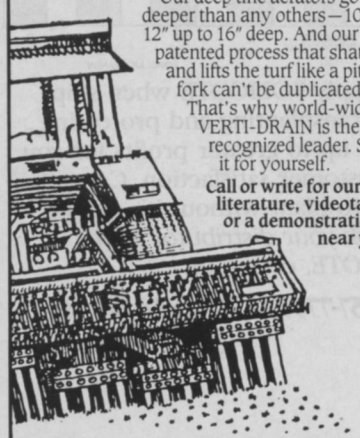
***Works like a pitchfork, only better!***

It's amazing how simple the principle is and how well it restores severely compacted turf. Greens, fairways, sports fields—anywhere you want to promote better root structure.

Our deep tine aerators go deeper than any others—10", 12" up to 16" deep. And our patented process that shatters and lifts the turf like a pitchfork can't be duplicated. That's why world-wide VERTI-DRAIN is the recognized leader. See it for yourself.

**Call or write for our free literature, videotape or a demonstration near you.**



**VERTI-DRAIN®**
415 Washington Avenue, Scranton, PA 18503
**717-961-6120**

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**LANDSCAPE MANAGEMENT**

**...is also an important piece of equipment for landscape professionals. Send in your subscription card today!**

For grounds maintenance, nurseries, Christmas tree farms, highway or municipal vegetation – for just about any grass control problem – Poast® herbicide is the simple solution.

Poast delivers consistent control of the toughest grasses. Like bermudagrass and crabgrass, quackgrass and foxtails. Yet, Poast is proven gentle to established plantings of valuable greenery. Like flowers, shrubs, trees and ground covers.

With Poast, you don't have to bother with directed or shielded sprays. You can apply Poast over-the-top of all stages of ornamental growth. And you don't have to worry about soil residue or leaching. Because Poast is meant to treat your grasses, not your soil.

And perhaps best of all, Poast can be highly cost efficient. It can eliminate labor-intensive and time-consuming hand roguing or hoeing. And labor and time equal money.

To keep grass in its place, always follow label directions and count on Poast – the last word in safe, effective grass control.

**BASF Corporation**
Chemicals Division

**BASF**

Poast is a registered trademark of BASF AG.
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# 3. Chemicals

This section is broken down by chemical product with companies providing that chemical listed below. Products common name (in parentheses) and brand names are listed on the line following the company name.

### Absorbefacient (Aquatic)

Aquashade Inc
(Acid Blue q, Acid Yellow 23) Aquashade

**Aquashade is:**

- **Economical,** because it's long lasting.
- **Non-toxic,** no harm to humans, livestock, fish, wildlife and turf. (EPA Registered)
- **Non-killing,** because it controls growth by suppressing.
- **Easy to use,** by just pouring.
- **Beautifying,** by coloring water to a natural teal blue.

AQUASHADE
AQUATIC PLANT GROWTH CONTROL

Aquatrols Corp
(Copolymer Acrylamide Acrylate) SuperSorb Water Absorbant
Nalco Chemical Co
Nalco 2151, Nalquatic, Nalco-Trol, Nalco-Trol II, Sta-Put
Riverdale Chemical Co
Riverdale
Spectrum Technologies Inc
Lake Blue
UAP Special Products Inc

### Adjuvant/Carrier

Arborchem Products Co
(Crop oil & surfactants) Clean Cut; (crop oil, surfactant & pine oil) Clean Cut + Pine; (crop oil, surfactant, citrus oil) Clean Cut + Citrus; (patent) Basal Oil
Chevron Chemical Co
(Alkylarylpolyoxyethylene, glycols, free fatty acides, isopropanol) Ortho X-77
W A Cleary Chemical Corp
Super-Wet, Super Wet 15G
Cumberland Intl Corp
Ag-Chem Activator
Elanco Products Co
Improve
Fermenta ASC Corp
(Fatty amine ethoxylate) Frigate
Fermone Chemicals Inc
(Protein feeding stimulant) Entice
Green Pro Services
(non-ionic wetting agent) VITA Flow
Kalo Inc
Regulaid
Leffingwell
(Non-ionic surfactants) Activate, Super Savol; (NPK, secondary & micronutrients) Sorba-Spray; Sorbacide
LESCO Inc
LESCO Spreader Sticker, LESCO-WET
Moyer Products Inc
(Alicarylpolyoxyethelene ether) Spray Film B
Nature's Touch
Save A Tree; (alanive, aspartic acid, glutamic, acid, cystive & other proteins) Save a Tree Drought Adjuvant
Necessary Trading Co
(non-ionic surfactant) Spray Enhancer
PBI-Gordon Corp
(Petroleum oil-parafin base, surfactant blend) Adjumec
Precision Laboratories Inc
Pen-A-Trate
Southern Mill Creek Products Co
SMCP Spreader Sticker
Spectrum Technologies Inc
(buffering/wetting agent) Adjust
UAP Special Products Inc
Activator 90
Uniroyal Chemical
Activate

### Algaecide

Applied Biochemists Inc
(Chelated Copper) Cutrine-Plus, Cutrine-Plus Granular
Great Lakes Biochemical Co
(Chelated Copper Liquid) Algimy ciw PLL-C; (Chelated Copper Tablet) Slow Release Algimycin PLL-C; (wettable powder) Algimy ciw GLBXII
Hendrix and Dail Inc
(Formaldehyde) HD Bi-O-Cide
LESCO Inc
(Elemental copper) Lescocide-Plus
Nacco
NaccoSan B-60
Safer Inc
(Potassium salts of fatty acids) Safer Moss & Algae Killer
Southern Mill Creek Products Co
A+V70 Plus
UAP Special Products Inc

### Antitranspirant

Aquatrols Corp
(Wax emulsion) FoliCote Transpiration Minimizer
W A Cleary Chemical Corp
(acrylic base) Clearspray
Green Pro Services
(natural/sythetic anti desiccant) Vita Coat
Nature's Touch
(concentrated celluar gums) Nature's Touch Leaf Cote & Leaf Cote Clear; (concentrated cellular gums with non fade dyes) Nature's Touch Leaf Coat Green
PBI-Gordon Corp
(Polyethylines/Polyturpines) Transfilm
Precision Laboratories Inc
Preserve
Safer Inc
(Polymer) Safer for Evergreen
UAP Special Products
Blanket, NuFilm
Wilt-Pruf Products Inc
(di-1-p-Menthene) Wilt-Pruf

**SEE AD NEXT COLUMN**

### Bacteriocide

J J Mauget Co
(Streptomycin) Inject-A-Mycin "S"

TRANSPLANT ANYTIME with
WILT PRUF®
ANTI-TRANSPIRANT
*maintains moisture in leaves and stems!*

### Biological Control

Burlington Scientific Corp
(Cytokinens, Humates) Speed Feed Turf Elixir; Speed Feed Turfgrass Formula
Green Pro Services
(Parasitic Nematodes) Scanmask
KLM Bio Systems Inc
Bio Groundskeeper
Maag Agrochemicals Inc
(fenoxycarb) LOGIC Fire Ant Bait
Necessary Trading Co
(B.t) Dipel; (potassium salts of fatty acids) Safer Insecticide Conc; (beneficial nematoden) Bio Safe
PBI-Gordon Corp
(Kurstaki) Bactospeisce
Ringer Corp
(Bacillus popillae) Grub Attach; Flea & Tick Attack; Yard & Garden Insect Attack
Safer Ing
(potassium salts of fatty acids) Safer
Sandoz Crop Protection
Pentac Aquaflow
UAP Special Products Inc
Dipel, Safer

### Colorant

Arborchem Products Co
(Proprietary) Bullseye
Becker-Underwood Inc
TURF MARK; (mulch colorant) Mulch Magic; (turf colorant) Green Lawnger
W A Cleary Chemical Co
Greenzit, Super Greenzit, Grass Greenzit, Virginia Pine Greenzit
Jonathan Green Inc
Dyon; Tru-Green Grass Paint
Gustafson Inc
Gustafson Pro-ized
LESCO Inc
(Blue indicator dye) LESCO Tracker
Mallinckrodt Inc
Turf Colorant, Auragreen, Vitalon
Milliken Chemical
(Polymeric) Blazon

Blazon®
SPRAY PATTERN INDICATOR
A non-staining colorant for accuracy and safety of pesticide applications.
MILLIKEN CHEMICALS

Nacco
Super Tracer Dye
Nature's Touch
(concentrated cellular gums w/latex base & non fade color) Nature's Touch Green Blades
Precision Laboratories Inc
Signal

When good shots end up in bad lies on dollar spotted fairways, it can spot your course's reputation.

That's good reason to put Rubigan® in play. Dollar for dollar, nothing controls dollar spot better.

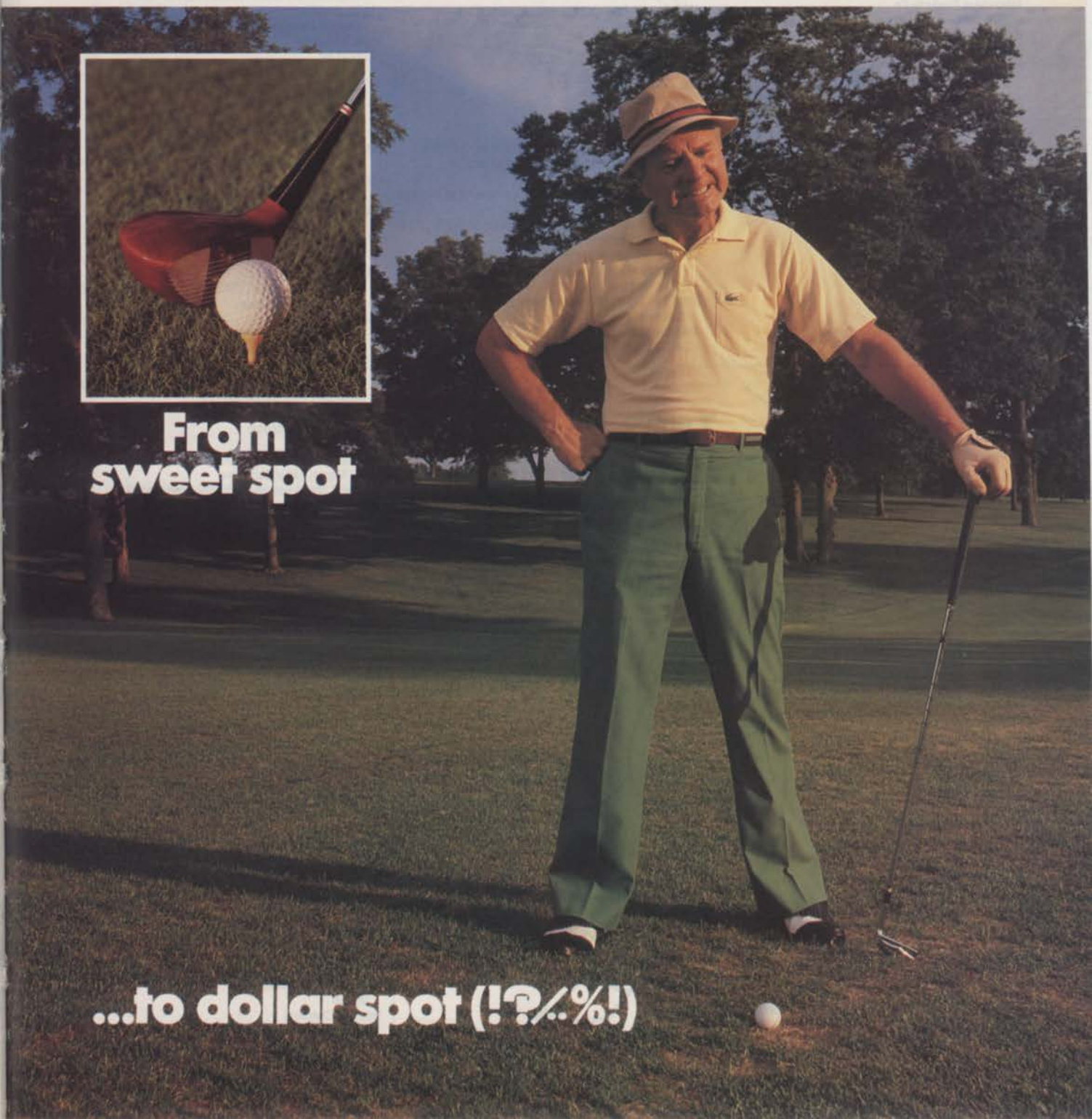
Just one Rubigan application controls even resistant strains of dollar spot for up to 28 days. And one case of Rubigan will treat up to 8 acres of greens and fairways.

Rubigan is the only fungicide labeled to treat and prevent all these other turf spoilers, too: Fusarium leaf spot, necrotic ring spot, summer patch, take-all patch and spring dead spot—plus large brown patch with a Daconil 2787® tank mix.

Keep your fairways, tees and greens dollar spotless—looking clean and beautiful all season long. Get Rubigan from your Elanco distributor. Or call toll-free: **1-800-352-6776.**

Elanco Products Company
A Division of Eli Lilly and Company
Lilly Corporate Center
Dept. E-455, Indianapolis, IN 46285, U.S.A.
Rubigan® — (fenarimol, Elanco)
Daconil 2787® — (chlorothalonil, SDS Biotech)

Circle No. 122 on Reader Inquiry Card



*continued*

Royalgard Products Co
Royalgreen; Royalblue
Sierra
Vitalon; Auragreen
Southern Mill Creek Products Co
Blazon; Aquashade
Spectrum Technologies Inc
Sprayguide; Lake Blue
UAP Special Products Inc
Turf Mark, Blazon

### Defoamer

Applied Biochemists Inc
(Silicone) Foamtrine
Arborchem Products Co
(10% Silcone) Arborchem Defoamer
W A Cleary Chemical Corp
(silicone base) Cleary's Defoamer
Finn Corp
(silica-in-silicon oil compound) Foam Chek
Jonathan Green & Sons Inc
Gustafson Inc
Gustafson Slurry Defoamer
Kalo Inc
Defoamer & Anti-Foam
LESCO Inc
(Silicone) LESCO Defoamer
Moyer Chemical Co
Anti-Foam, Foam Fighter
Nacco
Antifoam
Precision Laboratories Inc
Knockdown
Royalgard Products Co
(silicone based) De-Foamer
UAP Special Products Inc
Fighter F

### Drift Retardant

Arborchem Products Co
(33% Polymer) 38-F; (dry polymer) 41-A
W A Cleary Corp
Cleary's Driftproof
Nalco Chemical Co
Nalco-Trol, Nalco-Trol II, Nalquatic
Nature's Touch
(cellulose thickness) Nature's Touch No Drift
Precision Laboratories Inc
Direct
Southern Mill Creek Products Co
Nalco-Trol; Nalco-Trol II
Spectrum Technologies Inc
Spraytrol
UAP Special Products Inc
Chemtrol

### Fertilizer, Tree

J & L Adikes Inc
Eeesy-Grow
Andersons
CoRoN Corp
(amine-modified polymethylene urea 28-0-0, 70% CRN) CoRoN controlled release nitrogen;
Creative Sales Inc
(N-P-K, Fe, Mn & Zn) MEDICAP Systemic tree implants
Doggett Corp
(slow release soluble) XL-Injecto Feed 32-7-7 & 12-24-24, Evergreen Special 30-7-10
Garfield Williamson Inc, Proform Turf Products Div
(release nitrogen, added micronutrients) PROFORM 12-24-12 Winterizer
Great Salt Lake Minerals & Chemicals Corp
(Sulfate of Potash) GLS
Jonathan Green Inc
34-3-7 8.5% WIN
Green Pro Services
(NPK, Humus, trace elements) Vita Tree/Shrub
Growth Products Ltd
(Methylene diurea, MAP, Potassium Nitrate) 18-3-6 with Micros 50% CRN
Haifa Chemicals Ltd
(potassium nitrate 13-0-46) K-Power
Hawkeye Chemical Co
(controlled release liquid nitrogen) Formolene LU
Howard Johnson Ent Inc
(RZP)
LaRoche Industries Inc
Vertagreen, Soilife, Supreme Green
Lebanon Total Turf Care
Lebanon, Turfmaster, (Melamine) Nu-Tech
Leffingwell
Vitatone Stabilized, Vitatone Sorba-Spray, Nutra-Phos, Nutra-Spray
LESCO Inc
LESCO 16-10-9 Tree Stakes, LESCO 8-10-10 "Hi" Trace Element Tree Stakes, LESCO Arbor Green
J J Mauget Co
(Chelated Ag Minerals & NPK) Stemix; (Sulfates & Nitrates) Inject-A-Min Fe-Zn, Inject-A-Min Mn
MCI AgSystems
(Triamino-triazine) Nitrazine 66N
Milorganite
(N,P & iron with micro's) Milorganite
Moyer & Son Inc
(lirea, Methylene ureas, polyphosphates Muriate of potash) Arborflo; (urea, polyphosphates, muriate of potash) Rootflo
Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 12-26-26) Four Seasons
Na-Churs Plant Food Co
(nitrogen & P & K) Na-Chures Liquid Fertilizer 15-3-4 & 21-3-4; (liquid nitrogen) CoRoN 28-0-0
Nature's Touch
(Natural vegetative extract base blended with Primary, secondary micronutrients) TES
NOR-AM Chemical Co
(Ureaform) NitroForm
Par Ex
(Isobutylidene Diurea) Woodace
Plant Marvel Laboratories Inc
(tree & shrub special 25-15-10) Plant Marvel
R G B Laboratories Inc
(micronutrients, iron) Agri-Plex For-X; (Iron) Agri-Plex FE & Lawn-Plex
Ringer Corp
(Feather meal, blood meal) Evergreen Booster; (bone meal, wheat germ) Deciduous Tree Booster; (muriat of potash) Tree Restore
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots

Precision's complete line of turf products improves your performance. See your distributor or call.

Precision Laboratories, Inc.
P. O. Box 127
Northbrook, IL 60065
1-800-323-6280

PRECISION
PRODUCTS FOR GROWTH

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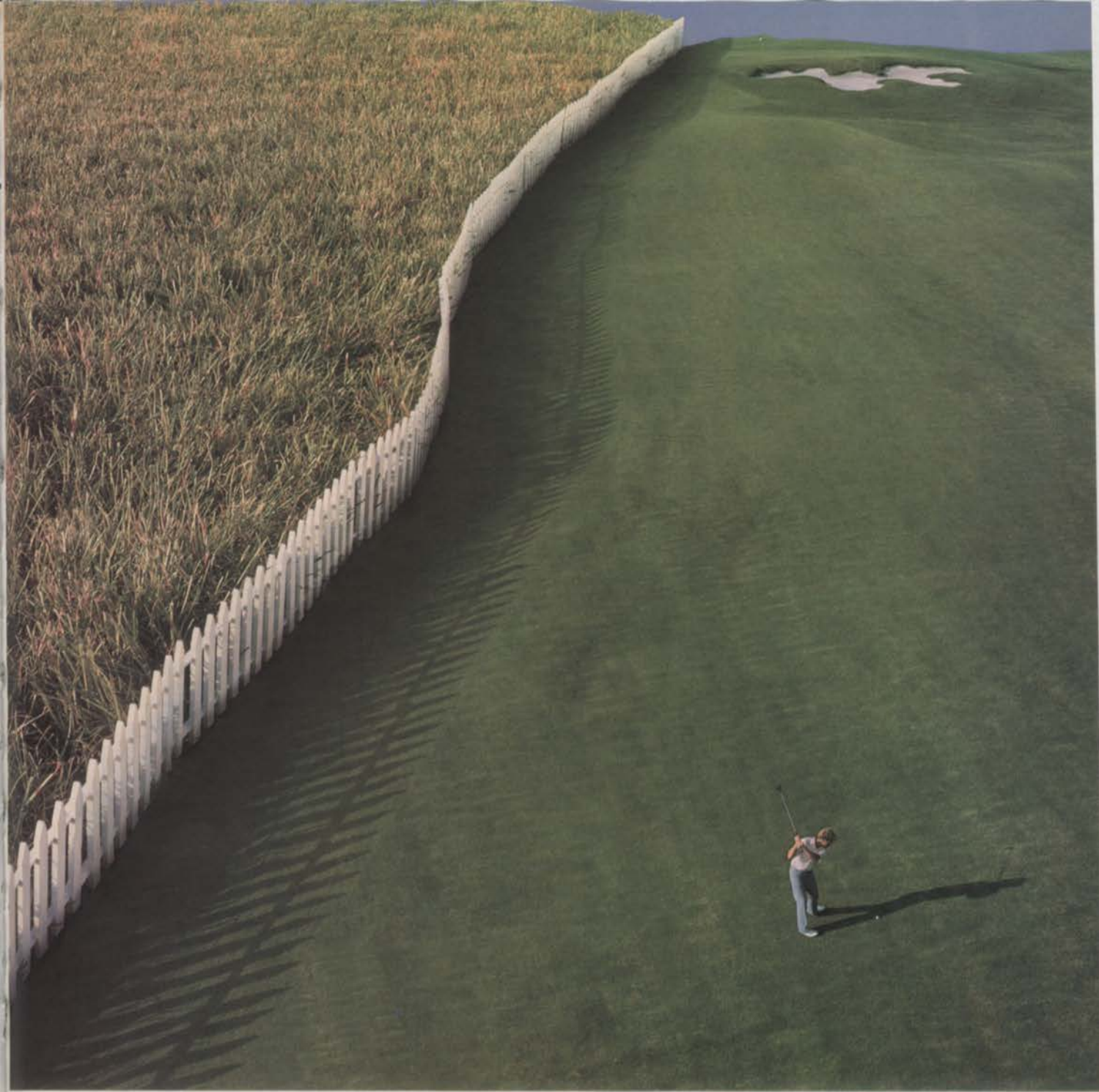
**ROOTS™**
Reduces Loss in Transplanting and Sod Installation
**ROOTS Inc.**
(Natural root growth biostimulant for all turfgrass and plants)


Ruffin Inc
(4% nitrogen, 5% sulphur, 10% iron) Ruffin Tuff Chelated Iron Granules
Sierra
Agriform
Southern Mill Creek Products Co
Nutrex 20-20-20
Sustante Corp
(dry granular organic compost turkey litter) Sustane
UAP Special Products Inc
NuLeaf
Uniroyal Chemical
(Foliar Nutrients) Nutra-Phos, Sorba-Spray
Vigoro Industries Inc
IBDU; Escote; Woodace



# Keep your reputation spotless.

Golfers may not know leaf spot by name, but it can mark the difference between your course and someone else's.

DYRENE® 4 Turf Fungicide has been effectively controlling leaf spot for years. And for every day of control you get, nothing costs less.

DYRENE 4. Proven control. Because we have a reputation to consider, too. For more information, contact Mobay Corporation, Specialty Products Group, Box 4913, Kansas City, MO 64120.

Dyrene 4

**Mobay Corporation**
A Bayer USA INC. COMPANY

Bayer MOBAY

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DYRENE is a Reg. TM of Mobay Corporation.

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*continued*

## Fertilizer, Turf

J & L Adikes Inc
(20-6-9.6% slow release/weed & feed/& w Team) Pro-Gram (Grow-Well)
Andersons
Tee Time; Professsional Custom Mix; Break-Thru

The Andersons

Arcadian Corp
(Triazone Nitrogen) N-Sure
W A Cleary Chemical Corp
(Ureaform) Fluf 18-0-0, Fluf 10-0-10, Fluf 16-2-4, Cleary's Water Soluble Fertilizer
CoRoN Corp
(amine-modified polymethylene urea 28-0-0, 70% CRN) CoRoN controlled release nitrogen

**Bridge Your Nitrogen Valleys with CoRoN's Longer Release Time!**

We are offering the newest and most improved of the liquid low-burn, controlled release nitrogen fertilizers.

CoRoN provides more controlled release nitrogen and lower burn potential to give you superior performance. CoRoN is storage stable and has low burn volatility of nitrogen to atmosphere.

CoRoN provides quick green-up, promotes even turf growth over a longer period of time, is compatible with commonly available turf protection products and is easily blended into N-P-K liquid fertilizers by normal means.

CoRoN is excellent in low volume systems which saves time and money in labor and equipment costs.

CoRoN's 28-0-0 analysis and unique two-step manufacturing process allows CoRoN to give dry methylene urea performance on turf with the efficiency of liquid handling.

Call us today for complete details on how CoRoN can help you bridge both your performance and profit valleys.

P.O. Box 198
Souderton, PA 18964
**800-338-0836**
**215-723-5099**

CoRoN
CONTROLLED RELEASE NITROGEN
**A New Force In Lawn Care**

Distributor's Own Turf Supplies
Distributor's Own

Doggett Corp
XL Turf Special 28-7-14; & Total 35-5-6

**SEE AD NEXT COLUMN**

Garfield Williamson Inc Proform Turf Product Div
(controlled release N with Nitroform,SCU, UF, MDU, active sludge) PROFORM 30-5-7, PROFORM 20-5-7

Jonathan Green Inc
New Vigor, Spring Green-Up, Super Green-Up, New Seeding, Winter Survival, Twin Green, Turf Tonic, Hydroseeding

Green Pro Services
(secondary/micro nutrients) Vita Green; (humus, humic acid trace) Vita Build

DOGGETT

**THE DOGGETT CORPORATION**
**FERTILIZER SOLUTIONS INC.**

30 Cherry St.
Lebanon, NJ 08833
TEL: 201-236-6335

*Products/Services Offered:*
Fertilization Equipment
Fertilizers
Soil Conditioners & Amendments

**XL-INJECTO FEED TREE FERTILIZERS**

*Product Type:* Fertilizers

*Description:*
These water-soluble slow-release tree fertilizers, when hydraulically injected into the soil, last up to one full year. The analysis is low in salt, chloride-free and contains iron, copper, maganese and zinc. These tree fertilizers come in varying formulas to suit specific trees and conditions.

*Contact:* Roger D. Mellick, Vice President

Growth Products Ltd
(Methylene diurea) Nitro-26 CRN; (chelated FE, ZN, CU, MN chelated EDTA, Methylene Diurea, MAP, Potassium, nitrate) Micrel 18-3-6 with micros 50% CRN

GROWTH PRODUCTS
**P.O. Box 1259**
**White Plains, N.Y. 10606**
**Customer Service**
**1-800-648-7626**
**(914) 428-1316**
Manufacturers of high quality liquid slow release fertilizers for turf, tree and ornamental applications.

Haifa Chemicals Ltd
(potassium nitrate 13-0-46) K-Power
Hawkeye Chemical Co
(controlled release liquid nitrogen) Formolene LU
Howard Johnson Ent Inc
(custom blends)
LaRoche Industries Inc
Vertagreen, Soilife, Supreme Green
Lebanon Total Turf Care
Lebanon, Country Club, Greenskeeper, Lebanon Pro, Green Gold, Turfmaster
Leffingwell
Vitatone Stabilized, Vitatone Sorba-Spray
LESCO Inc
(Multiple types and blends) LESCO
MCI AgSystems
(Triamino-triazine) Nitrazine 66N
Milorganite
(N,P & iron with micro's) Milorganite
Milwaukee Metropolitan Sewerage District
(6-2-0 Natural Organic) Milorganite
Moyer & Son Inc
(Urea, polyphosphates, Muriat of potash) Turflo
Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 12-26-26) Four Seasons
Nacco
Grow More
Na-Churs Plant Food Co
(nitrogen, Phosphorus, Potassium) Na-Churs Liquid Fertilizer 15-3-3 & 16-2-3; (Nitrogen & potassium) Na-Churs Liquid Fertilizer 15-05; (liquid potassium) Na-Churs Liquid Fertilizer 0-0-30; (controlled release nitrogen, phosphorus, potassium) Na-Churs Liquid Fertilizer 15-3-4 & 21-3-4; (controlled released nitrogen) CoRoN
Nature's Touch
(Primary, secondary micronutrients) Strengthen & Renew
Necessary Trading Co
(soil inoculant, kelp meal) Soil Vitalize; (granular compost) Sustane 5-2-4; (soluble kelp extract) FoliaGro
NOR-AM Chemical Co
(Ureaform) Nitroform; (Methylene Urea Polymers) Nutralene
Par Ex
(Isobutylidene Diurea) Par Ex
PBI-Gordon Corp
(6% iron) Ferromec; (6% iron amine campatible) Ferromec AC; (6% iron plus manganese) Ferromec M;(6% iron plus manganese amine compatible) Ferromec MAC (Processed cow slurry) Bov-a-Mura
Plant Marvel Laboratories Inc
(Bent special 28-8-18, Bermuda special 25-5-20, Lawn Marvel 28-18-8) Plant Marvel
R G B Laboratories Inc
(micronutrients, iron) Agri-Plex For-X; (Iron) Agri-Plex FE & Lawn Plex

*Unequaled Micronutrient Technology*
RGB
LABORATORIES INC.
*1531 Charlotte Street, Kansas City, Missouri 64108*
*Telephone: 816/474-3342*

Ringer Corp
Turf Restore, Lawn Restore
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots
Royalgard Products Co
(Iron, nitrogen, sulfur) Armor, Armor Plus
Ruffin Inc
(6% nitrogen, 6% Iron, 2% manganese) Tuff Iron Special; (15% nitrogen, 6% iron) Turf Iron
O M Scott & Sons Co
(Methylene Ureas, Urea, Ammuniated phosphate, potassium sulfate) Proturf HD Fairway, Proturf Fluid Greens; (Sulfur-llated Ures, Urea, Ammuniated Phosphate, Potassium chloride) Proturf Fertizer; (Triazone, Urea, Potassium purophosphate) Proturf Fluid Fertilizer
Sierra
Agriform; Customblen
Southern Mill Creek Products Co
Nutrex 20-20-20
Sustane Corp
(dry organic granular compost turkey litter) Sustane

SUSTANE
*A Natural Organic Fertilizer*
**Sustane Corporation**
1107 Hazeltine Blvd., Chaska, MN 55318
(612) 448-8828

Triazone Corp
(urea triazone) N-Sure
UAP Special Products Inc
UAP

# NUTRALENE

## The New Name in NITROGEN!

This advanced controlled-release material derived from methylene urea polymers is the ideal nitrogen source for all your turf needs. That's because NUTRALENE™ works **two** ways. First, it provides a quick-release nitrogen through hydrolysis. Second, NUTRALENE releases nitrogen more slowly through microbial action for sustained feeding. This dual action (the result of its unique molecular structure) makes NUTRALENE the superior controlled release nitrogen source. The following points show that NUTRALENE meets all the professional's requirements for a broad-use nitrogen.

**This quality nitrogen source offers...**

- Quick greenup
- Controlled-release nitrogen feeding for up to 16 weeks
- Both hydrolysis and microbial action—not dependent on coating or particle size for release
- Minimal leaching and volatilization
- Consistent release of all nitrogen in one growing season, under all conditions, even during cool soil temperature situations
- Low salt and low burning potentials
- 40-0-0 guaranteed analysis

NOR-AM

NOR-AM CHEMICAL COMPANY

A Schering Berlin Company

3509 Silverside Road, P.O. Box 7495, Wilmington, DE 19803

IMPORTANT: Please remember always to read and follow carefully all label directions when applying any chemical.

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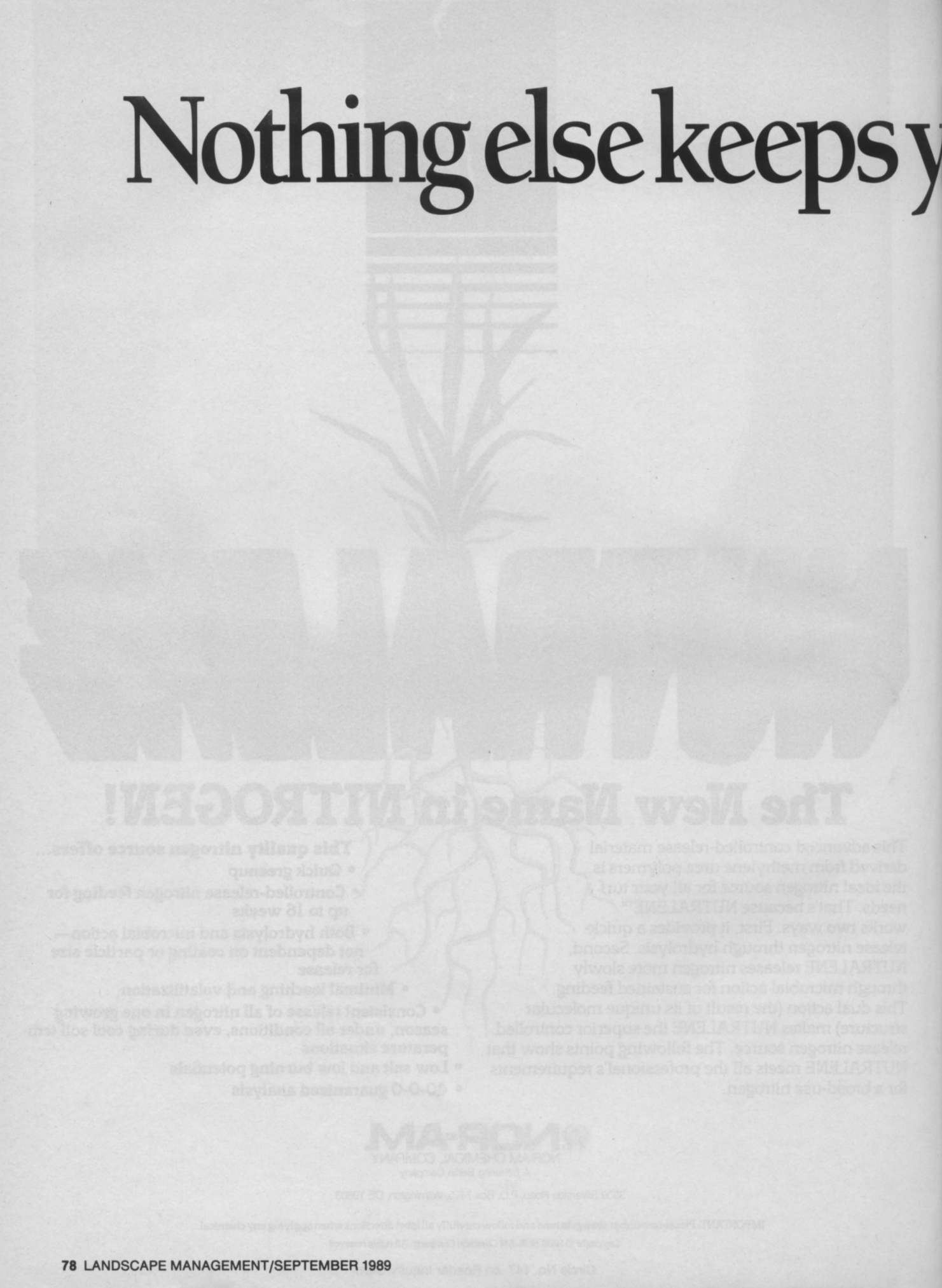
# Nothing else keeps y



# our course this clean.

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Circle No. 111 on Reader Inquiry Card

*continued*

Triazone Corp
(liquid urea triazone nitrogen source) N-Sure
Uniroyal Chemical
(Foliar Nutrients) Solu-Spray, Vitatone Iron
Vigoro Industries Inc
IBDU; IBDU/SCU; Par Ex
Warren's Turf Nursery Inc
(10-8-4(15) All Purpose Lawn Food; (6-20-20) Lawn Starter; (18-5-8) Slow Release; (25-3-9) Timed Released IBDU; (25-3-9) Weed & Feed

### Fungicide, Tree

Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Kincaid Enterprises Inc
(Chloroneb) KE Terraneb SP
LESCO Inc
(Mancozeb) LESCO; (Maneb, Zinc) LESCO 4 Flowable with Zinc
Mallinckrodt Inc
(Zn, Mn, Thiophanate Methyl) Zyban
J J Mauget Co
(DEBC) Fungisol; (Oxycarboxin) Fungisol PV
Mobay Corp
(Triadimefon) Bayleton
PBI-Gordon Corp
(chloroneb) Teremec SP; (fore) Formec
Sierra
Duo San
Safer Inc
Safer Garden Fungicide
Southern Mill Creek Products Co
Tersan 1991
UAP Special Products Inc
Captam, Mancozeh
Valent USA Corp
(Triforine) VALENT Triforine EC

### Fungicide, Turf

J & L Adikes Inc
Benomyl, Bayleton, Tersan 1991
Andersons
CelPril Industries
(Seed coating) Apron
Ciba Geigy Corp
(Metalaxyl) Subdue; (Propiconazole) Banner; (Metalaxyl/Mancozeb) Pace
W A Cleary Chemical Corp
(Thiram) Spotrete; (Topsin M) 3336; (Phenylmercuric acetate) PMAS; (Caddy) Cadmium chloride
Distributor's Own Turf Supplies
(Bayleton) Distributor's Own
E I DuPont de Nemours & Co
(Benomyl) Tersan 1991 DF; (Mancozeb) Tersan LSR
Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Gustafson Inc
(Metalaxyl) Gustafson Apron-FL, Apron 25W, Apron 12.5% dust Seed Treatment
Jonathan Green Inc
Banol, Bayleton, Chipco Flo, Daconil 2787, Dyrene, Tersan 1991
Howard Johnson Ent Inc
(Bayleton)
Kincaid Enterprises Inc
(Chloroneb) Terraneb SP

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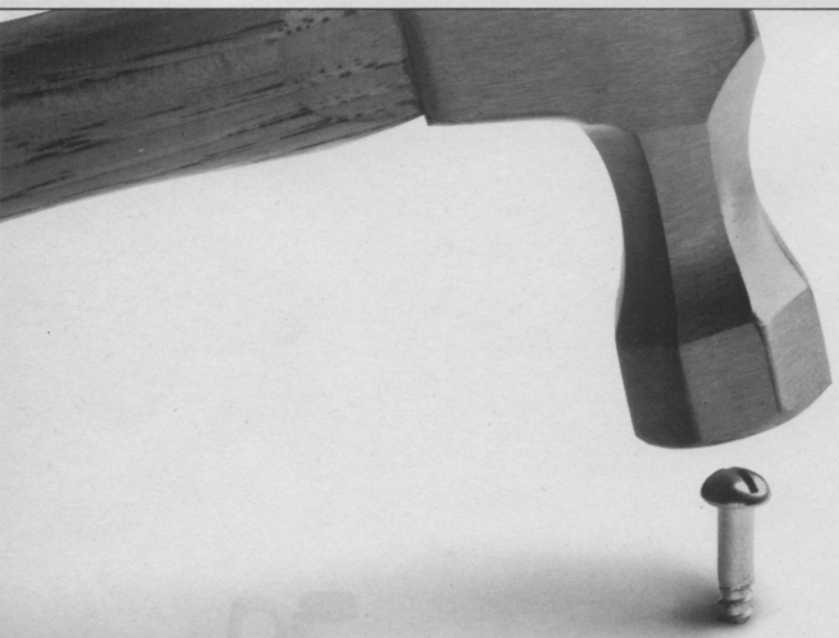

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Lebanon Total Turf Care
(Bayleton (Tridemefon)) Lebanon; (Daconil 2787 (Chlorothalonil)) Green Gold, Lebanon; (Benomyl) Lebanon
LESCO Inc
(Mancozeb) Lesco (PCNB) LESCO PCNB 10%; LESCO 1.0% Bayleton; (Thiram) LESCO Thiram 75DG; LESCO Benomyl DG
Mallinckrodt Inc
(Mercuric Chloride, Mercurous Chloride) Calo-Clor, Calo-Gran; (Cadmium Succinate) Cadminate; (ZN, Mn EBCD, Thiophanate Methyl) Duosan; (Thiophanate Methyl) Fungo 50; (Cadmium Sebecate, Potassium, Chromate, Thiram) Kromad; (Ethazol) Koban 30, Koban 1.3G; (Thiram) Thiramad
Mobay Corp
(Triadimefon) Bayleton; (Anilazine) Dyrene
NOR-AM Chemical Co
(Propamocarb) Banol
PBI-Gordon Corp
(Chloroneb) Teremec SP (Fore) Formec 80
Rhone Poulenc-Ag Co
(Iprodine) Chipco 26019; (Aluminum Tris) Chipco Aliette
Rigo Co-Black Leaf Products Co
(Mancozek) Black Leaf Fore
Royalgard Products Co
(Thiophanate Methyl) Chariot; (mancozeb) Shield
O M Scott & Sons Co
(Thiophanate-methyl, Iprodione) Proturf Fluid Fungicide; (PCNB) Proturf FF II; (Tiliadimefon, Metalaxyl) Proturf Fluid Fungide II;
Sierra
(Thiophanate methyl) Fungo; (Vinclozolin) Vorlan; (Mancozeb & Thiophanate uethyl) Duo San; (Mercuries) Calo-Clor & Calo-Gran; (Thiram) Thiramad

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Southern Mill Creek Products Co
Daconil 2787; W-75; Chipco 26019; Dithane F-45
UAP Special Products Inc
(PCNB) Mancozeh, Tersan, Daconil, Sulsdue, Banner
Uniroyal Chemical
(PCNB) Turfcide, Terraclor; (Etradiazel) Terrazole

### Grass Coatings

CelPril Industries
Nutri-Kote, Nutri-Kote & Apron
Nature's Touch
Green Magic

### Growth Regulator

Abbott Laboratories
(Gibberellic acid) PRO-GIBB
Andersons
Arborchem Products Co
(NAA) Sprout Gard
Burlington Scientific Corp
(Kinetin Gibberellic Acid Auxins) Auxinal
Chevron Chemical Co
(Uniconizole) Ortho Prunit
Elanco Products Co
(Flupprimidol) Cutless
Fermone Chemicals Inc
(Cytokinins) Burst Yield Booster
Leffingwell Uniroyal Chemical
(Chlorflurenol) Maintain CF-125, Maintain A
LESCO Inc
A-Rest, Embark, Florel, LIMIT, Bonzi, Cutless 50W
Maag Agrochemicals Inc
(sodium dikegulac) Atrimmec-Gordon's
Monsanto Co
(Amidochlor) Limit
Nature's Touch
Force
PBI-Gordon Corp
(Dikegulac sodium) Attrimec; (mefluidide) Embark PGR
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots
O M Scott & Sons Co
(Paclobutazol, Methyleneureas, ammuniated phosphate, potassium sulfate) Proturf Fertilizer with TGR Pla annual control, Proturf Hybrid Bermuda TGR Plus Fertilizer
UAP Special Products Inc
Limit
Uniroyal Chemical
(Maleic hydrazide) Royal Slo-Gro; (Daminozide) B-Nine SP

### Herbicides, Aquatic

Andersons
Applied Biochemists Inc
(Diquat) Weedtrine-D; (2,4-D granular) Weedtrine II
Chevron Chemical Co
(Diquat Dibromide) Diquat Herbicide-H/A
Elanco Products Co
(Fluridone) Sonar
LESCO Inc
Sonar AS, Sonar SRP, Lescocide-Plus

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Circle No. 132 on Reader Inquiry Card

*continued*

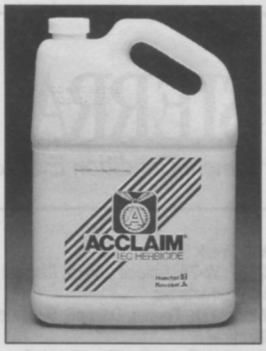
Monsanto
(Glyphosate) Rodeo
PBI-Gordon Corp
(dichlobenil) Norosac 10G
Rhone-Poulenc AG Co
(2,4-D) Aqua-Kleen
Southern Mill Creek Products Co
Aquozine; Aquathol K; Hydrothol 191; Rodeo
UAP Special Products Inc
Aquashade Aquathel, Hydrothol
Uniroyal Chemical
(Dichlobenil) Casoron-10G

## Herbicides, Nonselective

J & L Adikes Inc
Ureabor, No-Gro
American Cyanamid Agricultural Div
Arsenal
Andersons
Arborchem Products Co
(Bromacil) Clearway
Chevron Chemical Co
(Diquat Dibromide) Diquat Herbicide-H/A
Hoechst-Roussel Agri-Vet Co
(Glufosinate-ammonium) Ignite Herbicide
Jonathan Green Inc
Round-up, Vegemec
Howard Johnson Ent Inc
LESCO Inc
(Sodium metaborate tetrahydrate, sodium chlorate, bromacil) Lescobar, Lesco Pro Trim, Lesco Avail
Monsanto
(Glyphosate) Roundup & Expedite
PBI-Gordon Corp
(Prometon 2,4-D) Vegemec; (dichlobenil) Barrier 50-W
Rhone-Poulenc Ag Co
(Amitrole) Amitrol-T
Rigo Co-Black Leaf Products Co
(Pramitol) Rigo's Best Non-Selective Weed Killer; (sodium chlorate, sodium metaborate) Black Leaf Grass, Weed & Veg Killer
Riverdale Chemical Co
(Sodium Chlorate & Sodium Metaborate) Killsall; (Bromacil & Diuron) DiBro Granular & DiBro 2 + 2; (Velpar L) 1.25% Hexazinone; (Pramitol) Prometon 5E Veg Killer Conc
Southern Mill Creek Products Co
Hyvar; Velpar; Karmes
UAP Special Products Inc
Roundup, Diquat
Uniroyal Chemical
(Dichlobenil) Casoron-10G, 50W

## Herbicides, Postemergence

J & L Adikes Inc
Trimec, Roundup
American Cyanamid Co
(Imazaquin) Image
Andersons
BASF Corp, Agricultural Chemicals
(Sethoxydim) Poast; (bentazon) Basagran
W A Cleary Chemical Corp
(Mecoprop) Cleary's MCPP; (Mecoprop +2,4-D) Cleary's MCPP/2,4-D;(DSMA) Methar 30
Distributor's Own Turf Supplies
Turf weeder with Triamine) Distributor's Own
Dow Chemical Co
(Triclopyr & 2,4-D) Turflon II; (Triclopyr) Turflon; (Chlorpyralid & Trichlopyr) Confront
Fermenta ASC Corp
(MCPP +2, 4-D Amine Dimethylene salt of 2,4-D & MCPP) 2+2; (MSMA) Daconale 6; (MSMA) Bueno 6 (West Coast); (N-Oleyl-1,3-propylene diamine salt of 2,4-D) Dacamine 4D
Jonathan Green Inc
Trimec Classic, Super Trimec, Basagran Acclaim, Trimec Granules, Turflon D, Weedone DPC, DSMA
Hoechst-Roussel Agri-Vet Co
(Fenoxaprop-ethyl) Acclaim
**SEE AD NEXT COLUMN**
Howard Johnson Ent Inc
(Triamine, 2,4-D Amine & Ester)
LaRoche Industries Inc
(Trimene, weed & Feed) Vertagreen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Lebanon Total Turf Care
(2,4-D & MCPP & Dicamba) Lebanon Pro; (2,4-D, MCPP) Country Club, Green Gold, Turfmaster, Lebanon
LESCO Inc
(2,4-D & 2,4-DP)LESCO, LESCO Weedone DPC; (2,4-D, MCPP & dicamba) LESCO Three-Way; (2,4-D) LESCO A-4D; (MCPP) Lescopex; (MSMA) LESCO MSMA 6.6; LESCO Image, LESCO TFC, LESCO Moss & Algae Eraser
Mallinckrodt Inc
(Dicamba, 2,4-D, MCRP) Trexsan
Mobay Corp
(metribuzin) Sencor
Monsanto
(MCPP, 2,4-D) Expedite Broadleaf Herbicide
NOR-AM Chemical Co
(Ethofumesate) Prograss
PBI-Gordon Corp
(Esters of 2,4-D & 2,4-DP + Dicamba) Super Trimec; (2,4-D, MCPP + Dicamba, MSMA) Trimec Plus; (2,4-D MCPP, dicamba) Trimec Broadleaf Herb; (Fluazifop) Ornamec Grassy Weed Herb; Southern Trimec
Rhone-Poulenc-Ag Co
(2,4-D, 2,4-DP) Weedone DPC; (Asulam) Asulox
Rigo Co-Black Leaf Products Co
(MSMA) Rigo's Best Crabgrass killer; (Eptam) Black Leaf Eptam Weed Control
Riverdale Chemical Co
(MCPA, MCPP & 2, 4-DP/Amine) Triamin II, Par 3 & Triamine Granular Weed Killer & Jet-Spray Spot Killer ; (2,4-D Amine) Weedestroy AM-40, Turf Weedestroy D; (2,4-D, MCPP & 2,4-DP/Amine) Triamine; (2,4-D/MCPP & 2,4-DP/IOE) Tri-Ester; (MCPA, MCPP & 2, 4-DP/IOE) Tri-Ester II; (2,4-D & 2,4-DP/IOE) Turf D + DP, Brush Killer; (Mecoprop/Amine) Weedestroy MCPP, MCPP-4; (Mecoprop/ IOE) MCPP L.V. Ester; (2,4-D & Dichlorprop) 2 D + 2 DP Amine;(Mecoprop IOE) MCPP L V Ester; (MCPA) MCPA-4; (Dichlorprop/IOE) DP 4 Ester; (2,4-D IOE) 2,4-D Granules; (2,4-D & MCPP IOE) Granular Lawn Weed Killer
Royalgard Products Co
(2,4-DP, MCPP, MCPA) Sabre
O M Scott & Sons Co
(2,4-D, MCPP & Dicamba) ProTurf Fertilizer with Dicct weed Control III; (Atrazine, Methylene ureas, Urea, Ammuniated Phosphate, Muriate of potash) Proturf St Augustine Weed Control plus Fertilizer; (Dicamba) Proturf K-O-G
Sierra
(MCPP, Dicamba, 2-4 D) Trex-San Broadleaf
Southern Mill Creek Products Co
Roundup; MSMA 6.66
UAP Special Products Inc
MecAmine - D, Four Power Plus


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Unroyal Chemical
(Dichlobenil) Casron-2G, 4G
Valent USA Corp
(Diquat dibromide) Valent Diquat Herbicide HIA

## Herbicides, Preemergence

J & L Adikes Inc
Balan, Team Casoron, Treflan
American Cyanamid Co
(Pendimethalin)
Andersons
Ciba Geigy Corp
(Metalachlor) Pennant
Distributor's Own Turf Supplies
(crabgrass control plus fertilizer with Team, Balan, Surflan, XL, Tupersan or Dacthal) Distributor's Own
Elanco Products Co
(Oryzalin) Surflan; (Benefin) Balan; (Oryzalin + Benefin) XL; (Benefin, Trifluralin) Team; (Trifluralin) Treflan
Fermenta Plant Protection Co
(DCPA) Dacthal Flowable, Dacthal W-75
Jonathan Green Inc
Balan, Dacthal, 20-5-5 w/Pendimethalin, Fertilizer Plus Team, New Seeding Plus Tupersan
ICI Americas Inc
(Bensulide) Betusan; (Propionamide) Devrinol; (Dipropylthiocarbamate) Eptam
Howard Johnson Ent Inc
(Team, Dacthal, Balan, Dryzalin, Excel, Tupersan, Betasan)
LaRoche Industries Inc
(Team, Balan, Ronstar) Vertagreen
**SEE AD NEXT PAGE**
Lebanon Total Turf Care
(Benefin) Country Club, Lebanon, Turfmaster, Green Gold; (Bensulide) Lebanon, Country Club; (DCPA) Lebanon, Country Club; (Oxidiazon) Country Club; (Benefin & Trifluralin) Country Club, Green Gold, Lebanon Pro; (Trifluralin) Lebanon, Green Gold; (Siduron) Lebanon, Green Gold; (Oryzalin) Country Club;
LESCO Inc
LESCO Pre-M, LESCO, Lescosan 4E, Lescosan 7G, LESCO Dacthal 5G, LESCO 2.5 benefin
Mallinckrodt Inc
(Bensulide) Presan
Mobay Corp
(metribuzin) Sencor
NOR-AM Chemical Co
(Ethofumesate) Prograss

# LANDSCAPE MANAGER OF THE YEAR

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LANDSCAPE MANAGEMENT

1988 Landscape Manager of the Year
**Roy Peterman**

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Any person directly responsible for the professional maintenance of one or more landscapes is eligible to enter. Applicants will be judged according to job performance, honors and awards, procedures and philosophies, and contributions to the green industry. Applicants will be asked, at the time of entry, to submit four 5 x 7 black-and-white glossy photos and 10 color 35mm slides of current work areas with a short narrative on each.

(clip and mail)

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**Applicant's company**

**Official entry form should be sent to:**

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**Company**

**Address** **City/State** **Zip Code**

**Mail to:** PGMS, Landscape Manager of the Year,1201 Galloway Ave.,Suite1E, Cockeysville, MD 21030, 301-667-1833

*continued*

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PBI-Gordon Corp
(Dichlobenil) Norosac 4-G, Dyclomec 4-G; (Bensulide) Bensumec
Rhone-Poulenc Ag Co
(Oxadiazon) Chipco Ronstar
Rigo Co-Black Leaf Products Co
(Dacthal) Rigo's Best Weed Granules; (Treflan) Rigo's Best Garden Weed Granules
Royalgard Products Co
(Benzulide) Roysan 4E, 12.5G
O M Scott & Sons Co
(Pendamethalin, Methylene urea) ProTurf HD Fertilizer Plus Turf Weedgrass Control
Sierra
(Betasan) Pre-San
Southern Mill Creek Products Co
Ronstar
UAP Special Products Inc
Weedgrass Control, Team, XL, Balan, Casaron, Surflan
Uniroyal Chemical
(Naptalzm) Alanap L

## Insecticides, Tree

Abbott Laboratories
(Bacillus thuringiensis) DIPEL
J & L Adikes Inc
(Sevin, Malathion, Methoxychlor) Gro-Well
Chevron Chemical Co
(Acephate) Orthene 75S
Creative Sales Inc
(Acephate) Acecap 97 Systemic
Dow Chemical Co
(Chlorpyrifos) Dursban
F M C Corp Ag Chem Group
(Bifenthrin) Talstar

**SEE AD NEXT COLUMN**

Jonathan Green Inc
Sevin
Kincaid Enterprises Inc
(Methoxychlor) KE Marlate 50 WP
Howard Johnson Ent Inc
(Dursban, Oftanol, Diazinon, Trichlorfon Sevin brand carraryl insecticide)
LESCO Inc
(Diazinon) LESCO Diazinon 500; (Chlorpyrifos) LESCO Dursban 2.32G
Mallinckrodt Inc
Bendiocarb, Dycarb, (Diazinon & Methoxyclor) Dymet; (Bendiocarb) Dymet
J J Mauget Co
(Oxydemeton-methyl) Inject-A-Cide; (Dicrotophos) Inject-A-Cide B
Mobay Corp
(Oxydeneton-methyl) Metasystox; (cyfluthrin) Tempo
NOR-AM Chemical Co
(Bendiocarb) Turcam & Turcam 2-1/2G
PBI-Gordon Corp
(Fenitrothion) Pestroy
Prentiss Drug & Chemical Co
(Methoxychlor) Prentox 2lb Methoxychlor Spy; (Diazinon) Pentox Diazinon AG-500 & 50W; (Malathion) Pentox 5lb Malathion Spy
Reuter Laboratories Inc
(Potassium salts of fatty acids) Aphid-Mite Attack Concentrate
Rhone-Poulenc Ag Co
(Carbaryl) Sevin
Rigo Co-Black Leaf Products Co
(Nicotine Sulphate) Black Leaf 40
Safer Inc
(Potassium salts of fatty acids) Safer Insecticial Soap
O M Scott & Sons
(Pendimethalin) Proturf Turf Fertilizer Plus Preemergent Weed Control; (Pendimethalin) Proturf GO WDG; (Siduron) Proturf Starter Fertilizer with Preemergent Weed Control
D B Smith & Co
DIPEL
Southern Mill Creek Products Co
Mavrik; Sevin
UAP Special Products Inc
Malathion, Safer, Carlsaryl, Mavrik
Valent USA Corp
(Naled) DIBROM 8 Emulsive; (Lindane) VALENT Lindane #200 Spray; (Acephate) ORTHENS Turf, Tree & Ornamental Spray
Zoecon Corp-Sandoz Crop Protection Corp
(Fluvalinate) Mavrik Aquaflow

## Insecticides, Turf

Abbott Laboratories
(Bacillus thuringiensis) DIPEL
J & L Adikes Inc
Oftanol, Dylox
American Cyanamid Agriculatural Div
(Dimethoate) Cygon
American Cyanamid Co
(Hydramethylnon) AMDRO fire ant insecticide
Andersons
Tee Time
Chevron Chemical Co
(Acephate) Orthene 75S
Ciba Geigy Corp
(Isazofos) Triumph
W A Cleary Chemical Corp
(Sevin (carbaryl) Cleary's Sevin SL; (Chlorpyrifos) Dursban 2E;(Chlorpyrifos) Dursban 50W
Cumberland Intl Corp
(Carbaryl) Crunch
Distibutor's Own Turf Supplies
(Diazinon, Dursban, Oftanol, Dylex & Tupersan) Distributor's Own
Dow Chemical Co
(Chlorpyrifos) Dursban
Jonathan Green Inc
Dursban, Fertilizer + Oftanol, Mocap, Dylox, Oftanol, Sevin, Turcam, Proxol fertilizer + Dursban
LaRoche Industries Inc
(Trichlorofon, Diazinon, Dursban) Vertagreen
Lebanon Total Turf Care
(Chlorpyrifos) Country Club, Green Gold, Turfmaster, Lebanon, Lebanon Pro; (Isofenfos) Lebanon, Country Club; (Dimethyl Phosphonate) Lebanon; (Diazinon) Lebanon; (Isofenfos) Lebanon, Country Club, Lebanon Pro; (Carbaryl) Lebanon
LESCO Inc
(Trichlorfon) LESCO Dylox 5G; (Diazinon) LESCO Diazinon 500, 5G & 14G; (Chlorpyrifos) LESCO Dursban 2.32G; (Isofenphos) LESCO Oftanol 1.5G; (Carbaryl) LESCO Sevin Brand SL
Mallinckrodt Inc
Diazinon & Methoxyclor, Dymet
Mobay Corp
(Trichlorfon) Dylox; (Isofenphos) Oftanol
NOR-AM Chemical Co
(Bendiocarb) Turcam; (Trichlorfon) Proxol
PBI-Gordon Corp
(Carbaryl) Carbanec
Prentiss Drug & Chemical Co
(Chlorpyrifos) Prentox Dursban 4E; (Diazinon) Preniox Diazinon AG-500 & 5G
Reuter Laboratories Inc
(Spores of bacillus popilliae Dutky) Grub Att ack
Rhone-Poulenc Ag Co
(Ethoprop) Chipco Mocap 5G; (Carbaryl) Sevin
Rigo Co-Black Leaf Products Co
(Oftanol) Rigo's Best Turf Saver; (Avermectin) Rigo's Best Affirm Fire Ant Killer
Royalgard Products Co
(Dimethoate) Cygon 2-E; (Diazinon) Diazinon 5G & 4E; (Chlorpyrifos) Mole Cricket Bait D; (Malathion) Malathion 5E; (Carbaryl) Sevin 4F; (Chlorpyrifos) Dursban 4E & 2.32 G
O M Scott & Sons Co
(Chlorpyrifos) ProTurf Fertilizer Plus Insecticide III; (Diazincn) Insecticide I; (Isofenfous) Insecticide IV
D B Smith & Co
(resmethrin) BURGESS
Southern Mill Creek Products Co
Dursban 2E; Diazinon 4E
UAP Special Products Inc
Turcam, Durshan, Sevin 10G, Carbaryl, Diazinon, Pentac, Orthene, Triumph
Valent USA Corp
(Acephate) ORTHENE Turf, Tree & Ornamental Spray; (Methiocarb) SLUG-GETA Granules and Snail & Slug Bait pelleted

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1-404-977-5222 FAX: 404-578-6071

*continued*

Zoecon Corp-Sandoz Crop Protection Corp
(Fluvalinate) Mavrik Aquaflow

### Miticides

Mobay Corp
(Oxythioquinox) Morestan
Southern Mill Creek Products Co
Deltic
UAP Special Products Inc
Pentac, Orthene
Uniroyal Chemical
(Propzrgite) Ornamite
Zoecon Corp-Sandoz Crop Protection Corp
(Dienochlor) Pentac Aquaflow

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Grass Growers Inc
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Reemay Inc
Typar
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Warren's Terrabond Polyester Geotextile Fabrics
Weyerhaeuser
Silva-Fiber; Silva-Fiber Plus

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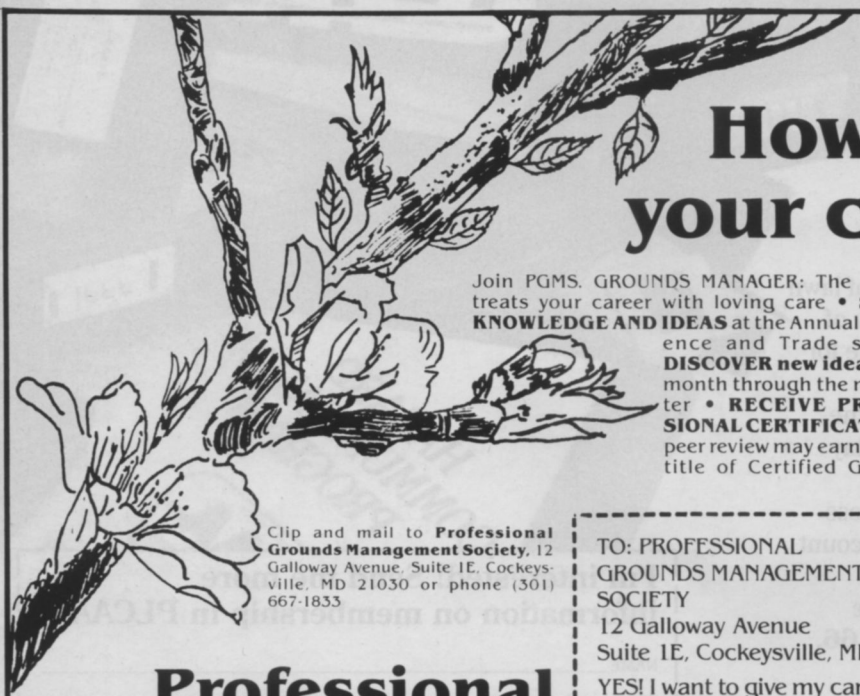
Mocap 5%
Igene Biotechnology Inc
(Chitin-protein complex) Clando San
Mobay Corp
(fenamiphos) Nemacur
Rhone Poulenc AG Co
(Ethoprop) Chipco Mocap 5G
Southern Mill Creek Products
Mocap; Nemacur
UAP Special Products Inc
Nemacur

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*continued*

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Gustafson Inc
(Thiram) Gustafson Thiram 42-S
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Hinder
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Rigo Co-Black Leaf Products Co
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(Ammonium soapsof higher fatty acids) Hinder

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Doggett Corp
(Elemental sulfur) Nutri-Sul 90
Emerald Isle Ltd
(Sea Plant Meal) Sand-Aid
Grass Growers Inc
Terra Tack I, III, AR, MP
Jonathan Green Inc
Aqua-Grow
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Bio Groundskeeper
LESCO Inc
(ferment & polymers) Lescozyme
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Soil Penetrant, Dust Binder, Spreader 79
Nature's Touch
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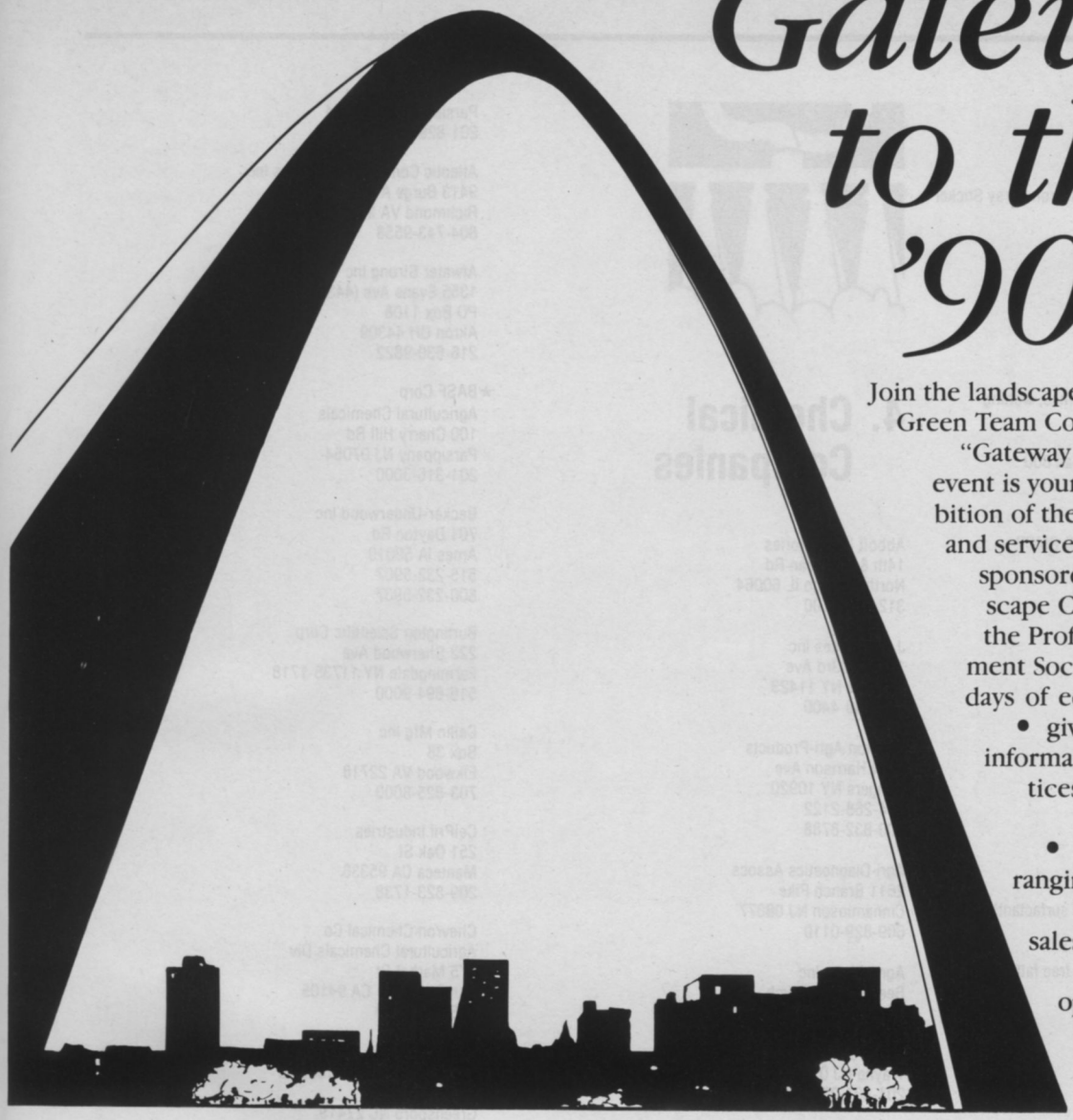
# Gateway to the '90s



Join the landscape professionals at the 1989 Green Team Conference and Trade Show, "Gateway to the '90s." This four-day event is your entree to a two-day exhibition of the industry's finest products and services. "Gateway to the '90s" is sponsored by the Associated Landscape Contractors of America and the Professional Grounds Management Society and features three full days of educational programs that:

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Precision Laboratories Inc
Chem-Stik
Southern Mill Creek Products Co
(Isooctyl phenyl polyethoxy ethanol) SMCP
UAP Special Products Inc
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Wilt-Pruf Products Inc
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W A Cleary Chemical Corp
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Jonathan Green Inc
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Hydro-Wet Liquid Concentrate, Hydro-Wet TG, Terra Green Granules
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LESCO Inc
LESCO-WET
Mallinckrodt Inc
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Moyer Products Inc
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Nacco
Wetting Agent
Nature's Touch
(Plant/microbial by-products, enzymes) Nutra-Aid
PBI-Gordon Corp
(Oxyetheylene) Aqua-Zorb
Precision Laboratories Inc
Pen-A-Trate
Royalgard Products Co
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Sierra
Hydraflo
Southern Mill Creek Products Co
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UAP Special Products Inc
Aquatrel
Uniroyal Chemical
Activate
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Ag Chem Group
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Fax 219-824-1534

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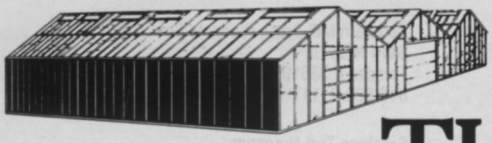

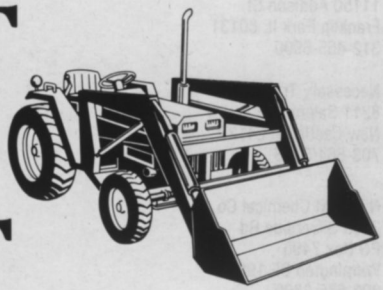

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3509 Silverside Rd
PO Box 7495
Wilmington DE 19803
302-575-2000

North American Green Inc
14649 Hwy 41 N
Evansville IN 47711
812-867-6632

★Par Ex
PO Box 512
Winter Haven FL 33882-0512
813-294-2567

Paygro Co
11000 Huntington Rd
South Charleston OH 45368
513-462-8358

PBI-Gordon Corp
1217 W 12 St
Kansas City MO 64101
816-421-4070

Plant Marvel Laboratories Inc
371 E 16 St
Chicago Heights IL 60411
312-757-7500

★Precision Laboratories Inc
PO Box 127
Northbrook IL 60065
312-498-0800
800-323-6280

Prentiss Drug & Chemical Co
CB 2000
Floral Park NY 11001
516-326-1919

★Pro Seed USA
PO Box 1250
San Marcos TX 78667
512-392-1900

PRS Materials Inc
882 Matlack St Unit E
West Chester PA 19382
215-430-3960

Reemay Inc
Industrial Rd
Old Hickory TN 37138
615-847-7000

★Reinco Inc
520 North Ave
PO Box 512
Plainfield NJ 07060
800-526-7687

Reuter Laboratories Inc
8450 Natural Way
Manassas Park VA 22111
800-368-2244

R G B Laboratories Inc
1531 Charlotte St
Kansas City MO 64108
816-474-3342

Rhone Poulenc-Ag Co
2 T W Alexander Dr
Research Triangle Park NC 27709
919-549-2000

Rigo Co
Black Leaf Products Co
PO Box 189
Buckner KY 40010
502-222-1456

Ringer Corp
9959 Valley View Rd
Eden Prairie MN 55344
612-941-4180

Riverdale Chemical Co
425 W 194 St
Glenwood IL 60425-1584
312-754-3330

Roots Inc
25 Science Park
New Haven CT 06511
203-786-5295

Royalgard Products Co
100 Paces W, Ste 1240
2727 Paces Ferry Rd NW
Atlanta GA 30339
404-333-9067

Ruffin Inc
2201 E Wyatt Earp Blvd
PO Box 940
Dodge City KS 67801
316-225-0071

Safer Inc
189 Wells Ave
Newton MA 02159
617-964-2990

★Sandoz Crop Protection
1300 E Touhy Ave
Des Plaines IL 60018
312-699-1616

★O M Scott & Sons Co
14111 Scottslawn Rd
Marysville OH 43041
513-644-0011 (OH call collect)
800-543-0006

★Sierra
1001 Yosemite Dr
Milpitas CA 95035
800-492-8255

D B Smith & Co
414 Main St
Utica NY 13501
315-735-5223

Soil Seal Corp
3015 Supply Ave
Los Angeles CA 90040
213-727-0654

Soil Technologies Corp
51 W Adams
PO Box 1415
Fairfield IA 52556
515-472-3969
800-221-7645

Southern Mill Creek Products Co
5414 N 56 St
Tampa FL 33610
813-626-2111

Southern Turf Nurseries
2200 Norcross Pkwy, Ste 255
Norcross GA 30071
404-448-9932

Spectrum Technologies Inc
12010 S Aero Dr
Plainfield IL 60544
800-248-8873

Sustane Corp
1107 Hazeltine Blvd
Chaska MN 55318
612-448-8828

Trebor Corp
4045-A Jonesboro Rd
Forest Park GA 30050
404-366-0957

Triazone Corp
One Gatehall Dr
Parsippany NJ 07054
402-334-1804

UAP Special Products Inc
1035 E Dodge St
Fremont NE 68025
402-727-8689

Uniroyal Chemical
World Headquarters
Benson Rd
Middlebury CT 06749
203-573-3888

Valent USA Corp
1333 N California Blvd
Walnut Creek CA 94596
415-256-2700

Vigoro Industries Inc
PO Box 512
Winter Haven FL 33882-0512
813-294-2567

Warren's Turf Nursery Inc
Cordelia & Chadbourne Rds
PO Box 459
Suisun City CA 94585
707-422-5100

Weyerhaeuser
Engineered Fibers-EF4
Tacoma WA 98477
800-443-9179

★Wilt-Pruf Product Inc
PO Box 469
Essex CT 06426
203-767-7033



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# Tomorrow is Today at TMI

Years of trials and research are necessary to develop new turf and forage varieties which keep pace with the ever changing needs of the consuming public.

That is why TMI is developing Today varieties that will carry us into the 1990's. From international sources and from some of the nation's finest universities, TMI is constantly searching for improvements to our proprietary program.

Circle No. 167 on Reader Inquiry Card

TMI's New Office/Research Facility EST. 1987

A Division of Stanford Seed

## TURF MERCHANTS

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### Perennial Ryegrasses

- Aquarius
- Pennfine
- Allaire
- Manhattan II
- Rodeo
- Patriot
- Laredo
- Stallion
- V.I.P. Blends
- Spectrum Blends

### Kentucky Bluegrasses

- Gnome
- Merit
- Tendos
- Twilight
- Rugby
- True Blue

### Turf Type Tall Fescues

- Wrangler
- Aztec
- Taurus
- Sundance
- Turf Gem II
- Brookston

### Dwarf Fescues

- Bonsai
- Turf Mates

**Ask your Medalist® Turf Distributor about these quality turf products from Northrup King:**

**Bluegrasses:**

Adelphi
Aspen
Aquila
Kelly
Parade
Rugby
Trenton

**Ryegrasses:**

Caddle
Delray
Goalie
NK200
Pennfine

**Fine Fescues:**

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Ruby
Scaldis

**Tall Fescues:**

Arid
Galway

**Others:**

PennPals
Bentgrasses
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**Mixtures & Blends:**

Write or call for a complete guide to Northrup King's line of pre-formulated mixtures and blends.

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You've got to be tough to win at Soldier Field.

A classic battle was fought over this turf. When the dust settled, Chicago picked Medalist.

The lakefront home of Chicago's rugged Bears is now covered with a dense, beautiful premium blend of Trenton, Rugby, Glade and Aspen Kentucky Bluegrasses. All top-quality turfgrasses from Northrup King.

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# 5. Seed Companies

J & L Adikes Inc
182-12 93rd Ave
Jamaica NY 11423
718-739-4400
Kentucky Bluegrasses: Adelphi, Merit, S-21; Perennial Ryegrasses: All Star, Derby, Regal; Fescues: Creeping, Chewing, Houndog Tall; Turfseed Mixes or Blends: made to specifications

Am-Sod Inc
2606 Hollister St
San Diego CA 92154
619-428-6112
Sod/Sprigs: Sod

Bamert Seed Co
Rte 3 Box 1120
Muleshoe TX 79347
806-272-5506
Other: Native grasses, Buffalograss

E F Burlingham & Sons
PO Box 217
Forest Grove OR 97116
503-357-2141
Fescues: (Tall) Falcon

Fine Lawn Research Inc
PO Box 290
Madison GA 30650
503-636-2600
Kentucky Bluegrasses: Chateau; Perennial Ryegrasses: Pennant; Fescues: Finelawn & Jaguar Turf Type Tall; Turfseed Mixes or Blends: Triple Play Perennial Rye Blend

Garfield Williamson Inc
Proform Turf Products Div
9 Stewart Pl
Fairfield NJ 07006
201-882-7755
Kentucky Bluegrasses: Liberty, Eclipse, Midnight, Classic, A-34, Adelphi, Challenger, Glade, Huntsville, Nassau, Ram I, Touchdown, Merit, JULIA; Perennial Ryegrasses: Omega II, Saturn, Pinnacle, Manhattan II, Citation II, Premier, Regal, Derby, Dasher II, Accord, Competitor; Fescues: (Tall) Jaguar, Jaguar II, Emperor, Apache, Bonanza, Tempo, Mustang, Arid, Falcon, (Creeping) Ensylva, Pennlawn, (Chewings) Shadow, (Hard) Spartan, Aurora; Bentgrasses: Pennlinks, Penncross, Penneagle, Pennway, Seaside, Cobra; Turfseed Mixes or Blends: Proform Triple Classic Turf Rye Blend, Super Sport Turf, Deep Shade; Other: Proform Wildflower Mixture, Proform Native & Reclamation mixtures.

Great Western Seed Co
810 Jackson St
Albany OR 97321
503-928-3100
Kentucky Bluegrasses: Barblue, Baron, Georgetown, Majestic, Mystic, Nassau, Princeton (P104), Ram I, 1757; Perennial Ryegrasses: Cowboy, Diplomat, Palmer, Prelude, Repell, Yorktown II; Fescues: Clemfine Tall, Jamestown Chewings, Rebel Tall, Rebel II Tall, Reptans Creeper, Tribute Tall, Wilma Chewings; Bentgrasses: Astoria, Highland, Penncross, Penneagle, Pennlinks; Turfseed Mixes or Blends: All of the above; Other: Agree Intermediate Ryegrass

Jonathan Green & Sons Inc
Squankum-Yellowbrook Rd
PO Box 326
Farmingdale NJ 07727
201-938-7007
Kentucky Bluegrasses: Destiny, Gnome, Adelphi, America, A-34, Banff, Chateau, Classic, Eclipse, Enmundi, Fylking, Glade, Harmony, Huntsville, KenBlue, Sabre, Nassau, Merit, Ram I, Monopoly, Touchdown Washington Perennial Ryegrasses: Allaire, Allstar, Dasher, Fiesta, Manhattan II, Linn, Premier, Sherwood, Gettysburg Fescues: (Tall) Arid, Bonanza, Finelawn I, Kentucky-31, Mesa, Mustang, Richmond, Tempo, Montauk, Potamac (Chewing) Jamestown, Victory, Pennlawn Red, Azay Sheeps, Spartan Hard, Bentgrasses: Exeter, Kingston, Penncross, Penneagle, Pennstar, Pennway, Pennlinks, Seaside Turfseed Mixes or Blends: Touch-up Ryegrass Blend, Showlawn, Blue-Rye, Sodmaker, Full Sun, Dense Shade, Sun & Shade, Drought Tough, Fun Lawn, Heavy Traffic, Fast Grow, Contractors Mix, Veri-Green Other: Birdsfoot Trefoil, Switchgrass, Clovers, Crown Vetch, Deertongue, Orchardgrass, Redtop, Reed Canarygrass, Lespedeza, Timothy, Weeping Lovegrass, Winter Rye, Wildflower mixtures and straight varieties

International Seeds Inc
820 First St
PO Box 168
Halsey OR 97348
503-369-2251
Kentucky Bluegrasses: Ikone, Ampellia Perennial Ryegrasses: Gator, Troubadour, Elka, Derby, Lindsay, Regal Fescues: Pacer, Cindy, Valda Enjoy & Longfellow, Ensylva, Gala, Houndog Bentgrass: Cobra, Emerald Turfseed Mixes or Blends: Dixie Green, Overseeding mixture, PH D Custom overseeding Blend Other: Sabre, Poa Trivialis Fesa, Strawberry clover

★Jacklin Seed Co
W 5300 Riverbend Ave
Post Falls ID 83854
208-773-7581
Kentucky Bluegrasses: Glade, Fylking, Wabash, Eclipse, Nassau, Nugget, Ram I, Huntsville, Merion, Amazon, Adelphi, Freedom, Suffolk, Cheri Perennial Ryegrasses: All*Star Fescues: Arid & Wrangler Turf-Type Tall, Safe Tall; Bentgrasses: Putter Creeping; Other: Reubens Canada Bluegrass, MX-86 Sheep Fescue

★LESCO Inc
20005 Lake Rd
Rocky River OH 44116
216-333-9250
Kentucky Bluegrasses: Adelphi, A-34, Challenger, Columbia, Dawn, Eclipse, Fylking, Glade, Common Kentucky, Merit, Midnight, Park; Perennial Ryegrasses: Birdie II, Citation II, Derby, Linn, Manhattan II, Omega II, Pennfine, Regal, Regency, Vintage 2DF, Commander, Assure; Fescues: (Chewing) Shadow; (Creeping) Flyer, Shademaster, Pennlawn; (Hard) Aurora; (Tall) Apache, Bonanza, Cimarron, Kentucky 31, Olympic; Bentgrasses: Colonial-Astoria, Highland; Creeping-Penncross, Penneagle, Pennway Blend, Seaside, Pennlinks; Turf Seed Mixes or Blends: LESCO: Classic Sunny Turf, Quality Blue, Double Eagle-CBS II, Eagle, Premium, Park & Athletic Mix, Shade Mix, Transition, Tuf-Turf, 3CN Intermediate Ryegrass, Touch-Up, Double Eagle, Eagle Blend I, Vintage Plus, Par Blend, Transtar Blend, Pennway Bent Blend, Bent Blend Plus

Lofts Seed Inc
Chimney Rock Rd
PO Box 146
Bound Brook NJ 08805
201-356-8700
Kentucky Bluegrasses: Baron, Nassau, Ram I, Georgetown, Princeton (P-104), 1757 Mystic, Suffolk; Perennial Ryegrasses: Palmer, Prelude, Cowboy, Yorktown II, Repell, Diplomat; Fescues: Jamestown Chewings, Rebel, Reliant Hard, Rebell II, Tribute Tall, Clemfine Tall Bentgrasses: Southshore Creeping Turfseed Mixes or Blends: Tri-plex Ryegrass-(Palmer, Prelude, Cowboy) Summer Stress (90% Rebel II Tall, 10% Nassau Kentucky Bluegrass; Other: Laser Poa trivialis & Pinto Wildflower Mixtures

★Northrup King
Medalist Turf Products Div
7500 Olson Memorial Hwy
Minneapolis MN 55427
612-593-7333

**NORTHRUP KING CO.**
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Kentucky Bluegrasses: Adelphi, Aspen, Aquila, Parade, Rugby, Trenton; Perennial Ryegrasses: Caddie, Delray, Goalie, NK200, Pennfine; Fescues: Arid tall, Dawson red, Ruby creeping red, Scaldis hard, Galway tall, Cameo chewings, Amigo tall; Bentgrasses: Highland, Penncross, Penneagle, Seaside; Turfseed Mixes or Blends: Athletic Pro, Athletic Pro II, Overseeder II, Overseeder III, Renovator Pro, Special Park, Premier Turf, Swift & Sure, Premium Sod, Shady Turf, Medalist North, Landscape Pro, Boulevard Mix, Super Pro III, General Turf, Landscape Pro West, Alkali Turf Mix, Triple Pro Blend, Medalist 7, Medalist 6, Medalist 5, Medalist 7+Sabre, Medalist 400, Medalist 400+Sabre, Medalist 60/40, Landscape Pro Mix III, Shady Turf III, Premier Turf Mix III, Premium Sod Blend III, Winchester Mix; Other: Fults Puccinellia distans

Oregon Fine Fescue Commission
866 Lancaster Dr SE
Salem OR 97301
503-585-1157
Fescue: creeping and chewings red

Oregon Ryegrass Growers Seed Commission
4093 12th St SE
PO Box 3366
Salem OR 97302
503-364-3346
Perennial Ryegrasses: all Oregon Ryegrasses;

★Oregon Tall Fescue Commission
866 Lancaster Dr SE
Salem OR 97301
503-585-1157

OSECO Inc
210 Wanless Dr
Brampton ON Canada
L6V 2L2
416-846-5080
Kentucky Bluegrasses: Baron, Gnome, Haga, Majestic, Midnight, Nassau, Sydsport Reubens Canada; Perennial Ryegrasses: Barry, Yorktown II, Palmer, Gator; Fescues: Biljart hard, Fortress creeping red, Highlight, Koket & Wilma chewings, Rebel & Rebel II tall; Bentgrasses: Emerald, Penncross, Penneagle; Turfseed Mixes or Blends: Custom mixed from aforementioned species

Pennfine Perennial Ryegrass
PO Box 959
Minneapolis MN 55440
612-593-7333
Perennial Ryegrasses: Pennfine

Pennington Enterprises Inc
PO Box 290
Madison GA 30650
404-342-1234
800-768-5400
Kentucky Bluegrasses: Chateau, Huntsville Perennial Ryegrasses: Sunrise 246, Pebble Beach, Stallion Fescues: Tall; Fine Lawn I, Fine Lawn 5GL, Wrangler Red; Flyer, Hard; Aurora Seeded Bermudagrass; Cheyenne Turfseed Mixess or Blends: Sunrise Primo Perennial Ryegrass, Triple Play Perennial Rye Blend, Sunrise Southern Greens, Triad Turf Type Tall Fescue, Triad Blue, Pennington Green

*continued*

Peterson Seed Co
PO Box 346
Savage MN 55378
612-445-2606
Kentucky Bluegrasses: Monopoly, Classic & Eclipse

Otto Pick & Sons Seeds Ltd
11151 Yonge St
Box 126
Richmond Hill ON Canada
L4C 4X9
416-884-1147
Fax 416-884-1538
Kentucky Bluegrasses: America, A34, Banff, Cheri, Nugget, Fylking Perennial Ryegrasses: Blazer, Blazer II, Fiesta, Fiesta II, Jazz Fescues: (Chewings) Agram, Jamestown, Victory; (Creeping) Boreal, Pennlawn (Hard Fescue) Spartan (Tall) Mustand, KY31; Bentgrasses: Colonial, Creeping, National, Penncross, Penneagle

★Pickseed West Inc
PO Box 888
Tangent OR 97389
503-926-8886
Kentucky Bluegrasses: Alpine, America, Touchdown, Banff, Bronco; Perennial Ryegrasses: Fiesta II, Blazer II, Dasher II, Jazz, LEX 86, Pick 715; Fescues: (Tall) Mustang, Maverick II, Thoroughbred, Shortstop; (Tall) Crossfire; (Chewings) Agram, Victory; (Hard) Spartan, Tournament; (Sheep) Azay; (Creeping) Jasper; Bentgrasses: Exeter colonial, Kingstown velvet, National creeping, Penncross, Penneagle, Pennlinks creeping; Turfseed Mixes or Blends: Futura 2000, Fiesta II, Dasher II, Blazer II, Futura Plus (Fiesta, Dasher, Blazer), Team (Mustang, Maverick II, Thoroughbred); Other: Colt poa trivialis, Flowers 'n' Flowers wild flower mix, Flowers 'n' Grass mix

Proprietary Seeds Inc
2882 Howell Prairie Rd NE
Salem OR 97305
503-585-7033
Kentucky Bluegrasses: Merit, Showplace Brand Blend; Perennial Ryegrasses: Vantage, Magnun Brand Blend; Fescues: Bonanza Tall; Turfseed Mixes or Blends: Magnum brand perennial ryegrass blend (Vantage, Citation II, Caliente, Prelude, Palmer)

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Shadow Chewings Fescue
Merit Kentucky Bluegrass
Citation II Perennial Ryegrass
Caliente Perennial Ryegrass

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Salem, Oregon 97305
**1-800-228-4119 FAX: 1-503-585-3273**

Roberts Seeds
PO Box 206
Tangent OR 97389
503-926-8891 Kentucky Bluegrasses: estate Perennial Ryegrasses: Calypso, Riviera Fescues: Chiefton, Guardian Turfseed: Mix to companies specifications

★O M Scott & Sons Co
14111 Scottslawn Rd
Marysville OH 43041
513-644-0011 (OH call collect)
800-543-0006
Kentucky Bluegrasses: Victa, Bristol, Abbey, Coventry; Perennial Ryegrasses: Loretta Ovation, Caravelle; Fescues: Banner Bentgrasses: Penncross, Penneagle, Pennlinks, Pennway; Turfseed Mixes or Blends: Sportsturf (Loretta/Pennant Perennial Ryegrass, Abbey/Victa Bluegrass); Other Turf Seed: Winter Turf overseeding line (4 different Perennial Ryegrass blends)

Seaboard Seed Co
PO Box 117
Bristol IL 60512
312-553-5800
Kentucky Bluegrasses: Midnight, Classic, Eclipse, Glad, Haga, Adelphi, Baron, Merit, Gnome, Monopoly, Parade, Touchdown, Nassau, Banff, Newport, Julia, Chateau, America, A-34, Park, Rami, Nugget; Perennial Ryegrasses: Palmer, Prelude, Manhattan II, Pennant, Derby, Fiesta II, Pennfine, Manhattan II, Citation, Jazz, Rodeo, Patriot, Omega II; Fescues: Fine-spartan, Saldis, Victory, Jamestown, Koket, Pennlawn, Tall-arid, Olympic, Apache, Adventure, Mustang, Falcon, Brookston, K 31; Bentgrasses: Penncross, Penneagle, Seaside, Highland, Exeter, Red top; Turfseed Mixes or Blends: Custom mixes; Other: Crown Vetch, Birdsfoot Trefoil, Native Grasses, Wildflowers, Poa Trivialis, Canada bluegrass, Fults, Reed Canary

Seed Research of Oregon Inc
PO Box 1416
Corvallis OR 97339
503-757-2663
Kentucky Bluegrasses: Harmony Perennial Ryegrasses: SR4000, SR4100, Champion Fescues: (Tall) Titan, Trident, Hard-SR3000, Chewings-SR5000, Creeping red; Bentgrasses: SR1020, Providence, Prominent; Turfseed Mixes or Blends: Champion SR 4000 & SR4100, Trophy, Survivor, Titan, Trident, Bonanza, Dominant, Providence

Southern Turf Nurseries
2200 Norcross Pkwy Ste 255
Norcross GA 30071
404-448-9932
Sod/Sprigs (South Only): Tifway 419, Tifgreen 328, Tifwarf, Centipede, Midiron

Sunbelt Seeds Inc
2200 Norcross Pkwy Ste 255
Norcross GA 30071
404-448-9932
Kentucky Bluegrasses: Baron, Nassau, Georgetown, Ram I, Mystic, Suffolk; Perennial Ryegrasses: Palmer, Prelude, Cowboy, Yorktown II, Repell; Fescues: Jamestown Chewings; (Tall) Rebel, Rebel II, Tribute, Clemfine, Barnone; (Creeping) Southshore; Turfseed Mixes or Blends: Marvel Green Supreme, Marvelgreen Classic, Marvelgreen & Laser, Marvelgreen 3 +1, Marvelgreen Transition, Marvelgreen Sports Mix; Other: Pinto Wildflowers, Centipede, Hulled Bermuda, Weeping Lovegrass, Carpetgrass

★Tee-2-Green Corp
3017 G St
PO Box 250
Hubbard OR 97032
503-981-9574
800-247-6910
Bentgrasses: Penncross, Penneagle, Pennlinks, Pennway blend

Turf Merchants Inc (TMI)
PO Box 1467
Albany OR 97321
503-491-3622
800-421-1735
Kentucky Bluegrasses: Gnome, Tendos, True Blue, Lexington, Rugby; Perennial Ryegrasses: Pennfine, Manhattan II, Rodeo, Patriot; Fescues: Tall-Wrangler, Turfgem, Brookston; Bentgrasses: VIP Cr. Blend; Turfseed Mixes or Blends: VIP Overseeding Blend (Pennfine, Manhattan II, Patriot)

★Turf Merchants International (TMI)
33390 Tangent Loop
Tangent OR 97389
503-926-8649
800-421-1735
Fax 503-926-4435
Kentucky Bluegrasses: Gnome, Tendos, True Blue, Merit, Rugby Perennial Ryegrasses: Aquarius, Patriot, VIP, Pennfine, Manhattan II, Rodeo, Stallion; Fescues: (Tall) Wrangler, Taurus, Aztec, Turf Gem II; Bentgrasses: Penncross, Penneagle, Pennlinks

★Turf Seed Inc
3017 G St
PO Box 250
Hubbard OR 97032
503-981-9571
800-247-6910
Kentucky Bluegrasses: Midnight, Columbia, Challenger, Voyager, Galaxy Blend, Blacksburg Perennial Ryegrasses: Manhattan II, Citation II, Birdie II, 246, Charger, Omega II, Remington, Saturn, Alliance Blend, CBS II Blend Fescues: (Tall) Apache, Olympic, El Dorado, Triathalawn, Silverado, Monarch, Murietta Shadow Chewings, Aurora Hard, Fortress creeping, Shademaster creeping, Big Horn Sheeps, Flyer Bentgrasses: Pencross, Penneagle, Pennlinks, Pennway

Van Der Have Oregon Inc
PO Box 1496
Albany OR 97321
503-967-8923
Kentucky Bluegrasses: Sophia, Minstral, Cynthia; Perennial Ryegrasses: Ranger, Brenda, Nova, Mondial, 2H7; Fescues: (Chewings) Waldorf, Epsom (Creeping) Dawson; (Tall) HRZ-18; Biljart, Silvana Hard; Bentgrasses: (Creeping) Carmen (Colonial) Tracenta Turfseed Mixes or Blends: Quartet-Mondial, Brenda, Patriot, Pennfine

Vaughan Seed Co
5300 Katrine Ave
Downers Grove IL 60515
312-969-6300
Kentucky Bluegrasses: Adelphi; Perennial Ryegrasses: All Star, Citation

Vaughan Seed Co
Chimney Rock Rd
Bound Brook NJ 08805
201-356-4200
Kentucky Bluegrasses: Adelphi, Glade, Cheri, Merit, Touchdown; Perennial Ryegrasses: All Star, Pennant, Citation, Regal

Warren's Turf Nursery Inc
Cordelia & Chadbourne Rds
PO Box 459
Suisun City CA 94585
707-422-5100
Kentucky Bluegrasses: Warren's A-34, Able-1 Fescues: Adventure Turf Type Tall, Avanti Tall

Willamette Seed
PO Box 791
Albany OR 97321
503-926-2728
Perennial Ryegrasses: Ranger, Seville, Caliente; Fescues: Willamette, Shannandoha & PIP Turf Type Tall; Turfseed Mixes or Blends: Southern Select & Club



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# Why The Grass Is Always Greener At ServiceMaster.

Last year, revenues for the lawn care industry as a whole grew 15%.

Revenues for ServiceMaster LawnCare grew a whopping *77%!* Over five times the industry rate.

Obviously, we must be doing something right. And we are.

Revenues for ServiceMaster LawnCare grew over five times the industry rate.

For one thing, ServiceMaster is one of the few lawn care companies able to provide truly *customized* treatment to every customer.

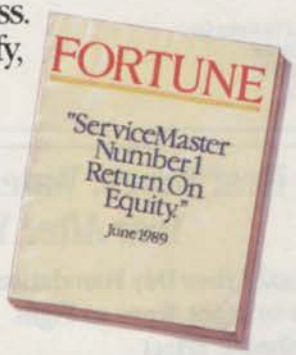
Customized treatment.

We specially design our own trucks and equipment so you can individually tailor your treatment to each lawn.

For another, we provide complete training and back-up support. Programs like discount purchasing. A 1-800 hot line for special agronomic questions. Year-round marketing support that will help you get business even in winter.

Over 90% of our ServiceMaster franchises are still going strong after three years. This year, in fact, *Fortune* magazine named us No. 1 for return on equity in their ratings of the 500 top service companies in America.

So if you're looking for the right opportunity to start your own lawn care business, you simply can't find a company with a more consistent record for success.




If you qualify, you could get started in a ServiceMaster LawnCare franchise for as little as $7,000 plus additional working capital.

You can start out while still keeping your regular job if you wish.

For more information, call Stan Guy toll-free at 1-800-635-SERVE.

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*continued*

Choice blend of Ranger, Seville & Caliente; Plantation Pride tall blend of turf type fescues; Other: Bloomcoat wildflower seeds

Zajac Performance Seeds
33 Sicomac Rd
North Haledon NJ 07508
201-423-1660
Kentucky Bluegrasses: Eclipse, Liberty; Perennial Ryegrasses: Omega II, Envy, Saturn; Fescues: (Tall) Jaguar II, Emperor, (Creeping) Vista Turfseed Mixes or Blends: Custom blends

# 6. Miscellaneous Services

Agri-Diagnostics Assocs
2611 Branch Pike
Cinnaminson NJ 08077
609-829-0110
Diagnostic services

★Air-O-Lator
8100-04 Paseo
Kansas City MO 64131
816-363-4242(MO)
800-821-3177
Fountains

Akzo Industrial Systems Co
One North Pack Sq
Asheville NC 28802
704-258-5050
Subsurface drainage matting, natural turf and soil reinforcement matting

C D Anderson
515 Ogden Ave
Downers Grove IL 60515
312-964-0399
Landscape training videos

Bush and Cook Leasing Inc
1600 W Main St
Wilmington OH 45177
513-382-5502(OH)
800-342-4784
Equipment leasing/financing

Colorado Aggregate
2255 Lava Lane
Alamosa CO 81101
719-589-4925(CO)
800-528-2765
Decorative rocks (landscape supplies)

Environmental Industries Inc
24121 Ventura Blvd
Calabasas CA 91302
818-992-5900
Landscape services

G E Mobile Communications
Mountain View Rd
Lynchburg VA 24502
800-GE1-2345
Mobile radios

Morie Co
1201 N High St
Millville NJ 08332
800-257-7034
609-327-4500
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Opti-Gro Div Mantek
PO Box 2170
Irving TX 75061
800-241-3302
404-952-0228(GA)
Grounds care technology

★Plastic Safety Systems
PO Box 20140
Cleveland OH 44120
216-231-8590
800-662-6338
Plastic fencing

★ServiceMaster LawnCare
2300 Warrenville Rd
Downers Grove IL 60515
312-964-1300
Lawn care franchises

★Telmark Inc
Box 4943
Syracuse NY 13221
Agri-lease

Velotta Uniform Sales Inc
12429 Cedar Rd
Cleveland OH 44106
216-791-5050
800-544-2737, Hear Tone, Dial 38
Work uniforms, caps, jackets, monogramming, computerized logo embroidery


## Savage Heat Waves, Water Shortages, Parched Farms Year After Year After Year

### The National Arbor Day Foundation Urges You to Plant Trees to Fight the Greenhouse Effect

The Earth is heating up. "The Greenhouse Effect," says James E. Hansen, Director of NASA's Institute for Space Studies, "is here...it's time to stop waffling."

A sharp increase in atmospheric carbon dioxide ($CO_2$) is a major cause. Two things contribute — the burning of fossil fuels and the destruction of forests.

**You can make a difference.** Trees you plant may be our best line of defense. Trees can shade your home in summer, and slow winter wind. While your trees absorb $CO_2$, they also reduce the amount of fossil fuel burned for cooling and heating.

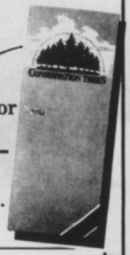
As a result, your trees can be as effective as 15 forest trees in fighting the Greenhouse Effect.

**Free Booklet.** The National Arbor Day Foundation has published a guidebook titled *Conservation Trees* which will show you how to plant and prune shade trees and windbreaks.

I'm pleased to offer it to you free of charge. Just return the coupon below and I'll send your *Conservation Trees* booklet by return mail.

John Rosenow

John Rosenow, Executive Director
National Arbor Day Foundation



**Yes,** Send my free *Conservation Trees* booklet.

Name

Address

City State Zip

Mail to: Conservation Trees, National Arbor Day Foundation, Nebraska City, NE 68410

## WHAT HAPPENS TO YOUR REPUTATION WHEN YOU SPECIFY MULCH?

Specifying bark or mulch as a ground cover might seem like a bright idea at first. But soon as the cover starts to decay and deteriorate, the brilliance of your original design begins to fade. That's why you should insist on FloweRock®, a natural volcanic stone that retains moisture, insulates the soil and enhances weed control while fully maintaining its beautiful earth tones. Find out how FloweRock can help your reputation for quality endure. Contact your nearest distributor, or call Colorado Aggregate at 1-800-528-2765 or 1-719-589-4925 (in Colorado).

**FLOWEROCK®**
*Permanent Ground Cover*

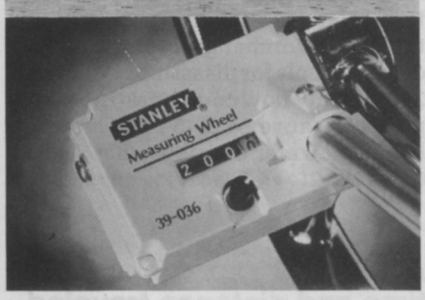



* Advertiser. See Advertiser's Index

## Measuring device is accurate to the inch

Stanley Tools now offers a measuring wheel to measure distances quickly and accurately. The wheel (Model 39-012) uses a precision-calibrated, push-button resettable counter that automatically records measurements in feet and inches, up to 1,000 feet.

The unit features a wide, one-foot circumference wheel rimmed with a Neoprene tire. It also comes with a telescoping handle, from 22 to 36 inches.

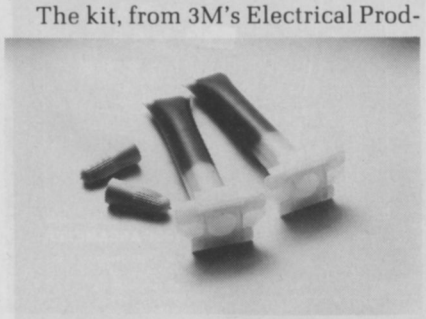



**Circle No. 201 on Reader Inquiry Card**

## Splice kits ideal for irrigation work

Direct Bury Splice Kits with Scotchlok R connectors permit fast, simple installation of underground electrical splices for use in projects of 30 volts or less.

The kit, from 3M's Electrical Products Division, requires no crimper tool or other equipment to make quick, reliable splices. The procedure involves stripping wires, twisting on a Scotchlok connector, then inserting the connector into a tube that has been pre-filled with insulating gel. The tube cover is snapped shut and the entire assembly is buried. Locking fingers in the tube hold the Scotchlok connector in place and the closed tube cover provides strain relief. The pre-filled tube eliminates the problem of installers using too much or too little gel.



The splices are designed to protect against corrosion failure. Effective application range is 32 to 120°F.

**Circle No. 202 on Reader Inquiry Card**

## Aerating cores eliminated by pulverizing action

The Lawn Genie is a pick-up sweeper/mower from Mathews Company that eliminates aerating cores with one pass down the fairway.

When a damper is in the open position, the hammer action of the Genie's free-swinging flail knives pulverizes the cores and returns most of the soil to the ground. Vacuum paddles create a vacuum to pick up thatch and grass. The damper can also be closed to deposit the pulverized cores over ground.

Mathews says tractor-powered Genies in 60-inch and 72-inch widths with Category 1, 3-point hitches and 540 rpm PTO are being used to remove cores on golf courses and other fine turf areas in parks and on playing fields. They are also used to pick up leaves, twigs and other debris.

A driver controlled cable winch is used to empty the hopper. A hydraulic dump kit is also available.

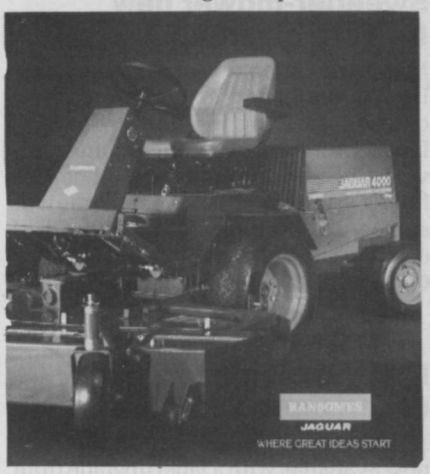
**Circle No. 203 on Reader Inquiry Card**

## Brochure details features of new tractor series

The new Jaguar 4000 series tractor is featured in a brochure from Ransomes.

Information is provided on the four-mower line, along with detailed specification data.

The Jaguar 4000 is a premium machine incorporating the best in rotary mowing technology, Ransomes claims. Mowing decks of either 61" or 74" are available. The 74" deck has a deepdraft design to insure that all clippings are discharged out the chute, minimizing clumps.

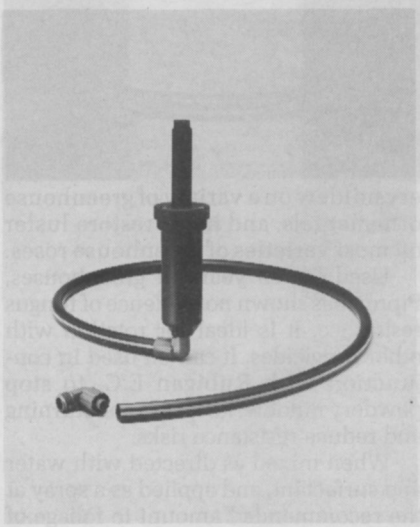



Single-pedal hydrostatic control is standard, and controls all forward and reverse movement. A patent pending automatic differential lock is available on two models and reduces wheel slippage and turf damage.

**Circle No. 204 on Reader Inquiry Card**

## Irrigation hose works in tight quarters

The Super Blue Flex Hose is the newest product from Hardie Irrigation. Hardie says the hose is extremely flexible, easy to work with and ideal for installing sprinklers in tight quarters. The Super Blue Flex Hose is compatible with all fittings, including Olson E-Z, ELL, Dura, Toro and Rain Bird.



Each coil is wrapped in lengths of 100 feet, and unwinds easily from the center of the coil.

*continued on page 104*

The Super Blue is made of very low density polyethylene, and has 80 psi maximum working pressure at 100°F.
**Circle No. 205 on Reader Inquiry Card**

## Sweeper-mower new for core clean-up

Mathews Company of Crystal Lake, Ill. has published an illustrated brochure describing the use of the M-C Lawn Genie in sweeping up and pulverizing aerating cores on golf course fairways. How this sweeper-mower solves the problem of getting rid of cores is shown in photos and text.
**Circle No. 213 on Reader Inquiry Card**

## New fungicide forumula called more versatile

A new formulation of Elanco's Pipron is now available, with a label upgrade from "danger" to "warning." The new Pipron does not have any re-entry restrictions in states in which those laws apply.

Elanco says Pipron controls powd-

ery mildew on a variety of greenhouse ornamentals, and helps restore luster on most varieties of greenhouse roses.

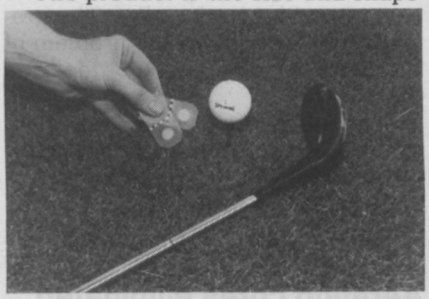
Used for 20 years in greenhouses, Pipron has shown no evidence of fungus resistance. It is ideal for rotation with other fungicides. It can be used in conjunction with Rubigan E.C. to stop powdery mildew, keep it from returning and reduce resistance risks.

When mixed as directed with water and surfactant, and applied as a spray at the recommended amount to foliage of ornamental plants, Pipron is effective against powdery mildew on rose, lilac, dahlia, phlox, zinnia, chrysanthemum and catalpa. Spray after leaves expand or at symptoms of powdery mildew.
**Circle No. 206 on Reader Inquiry Card**

## Residue detector gives results in minutes

A new method for measuring insecticide residue can detect 80 percent of all U.S. registered insecticides, according to Enzytec, Inc.

The product is the size and shape



of a small ticket, and can detect the presence or absence of the carbamate, thiophosphate and organophosphate insecticides. Detection range is up to 1 to 10 parts per billion. The ticket detects pesticides in air, water, soil or on surfaces, depending on the technique used.

According to Elizabeth Burkett, marketing manager for EnzyTec, the detection system can be used in a number of ways by golf and grounds maintenance professionals. For example, workers can efficiently monitor the need to change filters in respirators. "Placed inside the facemask, away from the nose and mouth, the detector disc allows an applicator to check the effectiveness of his respirator filter and lets him know when to change it," says Burkett. "A white result on the detector ticket indicates the need for a filter change, while a blue result indicates an effective filter."

EnzyTec says the test can also provide superintendents with a method of monitoring golfer exposure to insecticides applied to a golf course over the golfing season.

They are available in kits of 10, 25, 50 or 100 tickets.
**Circle No. 207 on Reader Inquiry Card**

## Plant materials on screen with new visual database

Landcadd, Inc. announces a visual database of plant materials for use with its Site Planning and Landscape Design module. Landcadd users will be able to select a menu item labeled "show photo," to view an actual photographic image of the specific plant.

"Being able to show a client exactly what a particular plant will look like, while viewing a computerized construction drawing, is very advantageous," says Greg Jameson, president of Landcadd. "As video imaging is becoming increasingly popular, Landcadd is providing a viable solution for linking CAD drawings to actual photographs."

The visual database of plant materials is being developed with the idea that it may eventually be used in conjunction with Landcadd and AutoCad to develop realistic "video imaging" views of a site. Links will also be provided to the text-based plant database currently offered with Landcadd.
**Circle No. 208 on Reader Inquiry Card**

## Save water and energy with flow-regulated unit

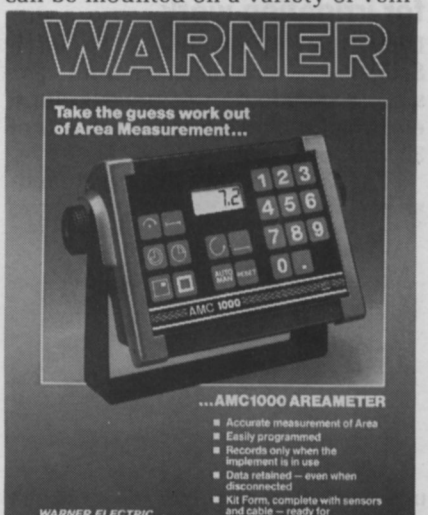
Netafim Irrigation's Dan 2001 Micro-Sprinkler is flow regulated for all terrain with high uniformity and protection from sand and insects.

According to Netafim, the Dan 2001 is ideal for application in orchards, vineyards, greenhouses and nurseries and for micro-climate control. It easily retrofits many existing irrigation systems, and the large nozzle diameters and self-cleaning design reduce chances of clogging.

The sprinkler has low precipitation rates for effective soil penetration. Its interchangeable orifices require no tools for disassmbly. The Dan 2001 is fully flow compensating over a pressure range of 20-50 psi, assuring balanced water distribution.
**Circle No. 214 on Reader Inquiry Card**

## Areameter records speed, time and distance traveled

The AMC 100 Areameter system is now available from Warner Electric/ Dana Corporation. The Areameter can be mounted on a variety of vehi-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Kit Form, complete with sensors and cable – ready for installation
WARNER ELECTRIC
DANA

cles to measure, monitor and record the area traversed by the vehicle, as well as the speed, time and distance.

Applications for the Areameter in-

clude measurement of farm land for precision application of seed and fertilizer, measurement of open areas to determine the amount of material required for paving, and maintenance requirements for large landscaped areas such as golf courses.

The first time the system is used, it measures and records the work area to establish a baseline of information for subsequent operations.

**Circle No. 209 on Reader Inquiry Card**

## New mower line features three adjustable models

A new line of commercial grade walk-behind mowers is now available from Woods. Mowing widths are 36, 48 and 61 inches, with adjustable cutting heights from 1½ to 4 inches.

A heavy duty hydrostatic transaxle

drive provides smooth operation, fast response and eliminates clutching. One lever controls speed, from 0 to 6 mph and up to 2 mph in reverse. Dual disc brakes are employed for precision steering.

Traction is improved with 16-inch tires. An oil bath gear drive is used to drive both wheels to assure straight tracking.

The mower deck on these units is welded from 10-gauge steel, with double reinforced side skirts.

Kohler provides the power.

**Circle No. 210 on Reader Inquiry Card**

## Hand pump designed as bacteria fighter

A new prototype of the Renson hand pump that is protected from contamination has been developed by F.R. Industries of Pittsburgh and French manufacturer Renson.

*continued on page 106*


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GREENSKEEPER 20-4-10

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Circle No. 138 on Reader Inquiry Card

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Circle No. 155 on Reader Inquiry Card


**PRODUCTS** *from page 105*

The opening around the shaft has been effectively sealed and an O-ring has been installed inside the shaft opening.

F.R. Industries says the pump improves the quality of drinking water and reduces the cost of maintenance.

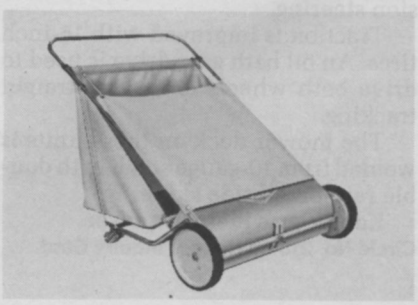
In November 1988, according to F.R. Industries, the Delaware Bureau of Environmental Health stated that the Renson pump had met the sanitary design requirements necessary to ensure public health.

**Circle No. 211 on Reader Inquiry Card**

## Keep debris in place with sweeper apron

Parker Sweeper Company's Sweep-A-Lawn lawn sweeper keeps grass and leaves in place and safe from swirling winds.

Elastic cords are anchored through grommets at both upper corners of the wind apron and are secured to the upper basket rod with hooks on each side. The wind apron fits snugly and is easily removed for emptying.



Parker says the Sweep-A-Lawn can be used as either a push or trailing sweeper. Hitch for the trailing sweeper is optional. Sweeping width is 30 feet and the basket holds 4.4 cubic feet of material.

**Circle No. 212 on Reader Inquiry Card**

# CLASSIFIEDS

**RATES:** $1.20 per word (minimum charge, $35). Bold face words or words in all capital letters charged at $1.45 per word. Boxed or display ads: $100 per column inch-1x (one inch minimum); $95-3x; $90-6x; $85-9x; $80-12x. (Frequencies based on a calendar year). Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add $15 to total cost of ad. Send ad copy with payment to Dawn Nilsen, LANDSCAPE MANAGEMENT, 1 East First Street, Duluth, MN 55802 or call 218-723-9505. Fax Number 218-723-9615.

**BOX NUMBER REPLIES:** Mail box number replies to: LANDSCAPE MANAGEMENT, Classified Ad Department, 1 East First St., Duluth, MN 55802. Please include box number in address.

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In Mid-Western Wisconsin: Well established landscaping business averaging 110K per year, located in rapidly growing city, 45 miles East of Mpls., St. Paul. Includes all landscaping equipment, vehicles, nursery stock, snowplowing business, etc. Also includes 5 bedroom home on 3 acres with buildings, spa, swimming pool, fireplace. **Great Opportunity. $179,000.** 715-235-7307. 9/89

**CURBMATE - THE MONEY MACHINE:** Patented, electrically driven and self-propelled machine produces beautiful continuous concrete landscape edging. Simplifies the installation of concrete borders between lawns and flower beds, along driveways and sidewalks, etc. Applications for residential and commercial settings, golf courses, etc. Turn $5,000-$10,000 equipment purchase into $50,000-$100,000 potential annual income. (801)273-3938. 9/89

**WANT TO BUY OR SELL** a golf course? Exclusively golf course transactions and appraisals. Ask for our catalog. McKay Golf and Country Club Properties, 15485 N. East Street, Lansing, Michigan 48906. Phone (517)484-7726. TF

**CURB KING:** Curbing machine that lays continuous concrete landscape borders. Low investment, high returns. For information call 303-434-5337 or write PO Box 40567, Grand Junction, CO 81504. 9/89

**103 ACRE TURF FARM FOR SALE:** Southwestern Ohio, established quality, elite bluegrass blend sod. Large charming country home, good water irrigation potential. Send replies to: P.O. Box 111, Springboro, Ohio 45066. 10/89

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**LANDSCAPING TRAINING OPPORTUNITY:** Learn Landscaping at Home. At completion of study, certificate awarded. Get into fascinating field with higher income. Details; Missouri School of Landscaping, 1521 Cutter Ave., St. Louis, MO 63139. Discount to Public Agencies. 9/89

**MOVE UP IN THE GREEN INDUSTRY.** 2 year AAS Degree program in Golf Course Superintending, Irrigation Management, Landscape Contracting and Park Supervision. 1 year Technicians Certificate Program also available. Fully accredited, VA approved, excellent learning facilities, equipment, and faculty. Graduate job placement assistance available. For information contact: Golf Course Operations/Landscape Technology Department, Western Texas College, Snyder, TX 79549. 9/89

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**NURSERY FOREMAN:** Bissett Nursery Corp., large rewholesaler of nursery stock and related goods, looking for hard working individual with minimum 2 years experience in nursery industry. Responsibilities: customer sales and service; material handling and maintenance; deal with people and run small crews. Excellent salary and benefits. Contact Bissett Nursery, Holtsville, NY, Tel. #516-289-3500. 9/89

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**GROUNDS AND MAINTENANCE SUPERINTENDENT:** Hands-on position with beautiful, growing, progressive, privately-owned Cemetery. Responsible for supervising 10-12 people, and all grounds and equipment maintenance. Must have related experience, organization and planning skills, and strong motivation. Send resume and cover letter Resthaven Mortuary and Cemetery, 11800 W. Highway 54, Wichita, KS 67209. 9/89

**HORTICULTURE INSTRUCTOR:** Virginia Western Community College, a growing comprehensive community college located in Roanoke, VA, serving a population of approx. 250,000 and enrolling approx. 8000 students for fall semester, is accepting applications for a horticulture instructor. This is a full-time, nine-month teaching position responsible for course assignments in landscape and related support courses in the college's A.A.S. degree program in Horticulture Technology. Responsibilities also include administrative duties in recruitment, marketing, and program expansion. Minimum requirements: Bachelors degree with a major in horticulture; minimum two years of occupational experience in ornamental horticulture; excellent teaching skills; and ability to help the department expand and market its curricular offerings. Commitment to instruction, student learning, and academic advising of students in community college setting is essential. Good communication and interpersonal skills are basic to this position. Contract period to begin, preferably, January 2, 1990, but no later than August 16, 1990. For state application contact VWCC Personnel Office, P.O. Box 14005, Roanoke, VA 24038 or phone 703-857-7282. State application, resume, and transcripts of all college coursework completed must be submitted by Friday, September 29, 1989. EEO/AA. 9/89

Ohio landscape construction company wants to expand into landscape maintenance and is interviewing Managers and Supervisors. Excellent compensation package. Send resume or letter describing your experience to: Landscape Managers, 11738 Lake Ave., Suite 203, Lakewood, Ohio 44107. 10/89

**Industrial Herbicide Manager/Applicator.** Job openings for quality Herbicide Manager/Applicators (in the Southeast, Northeast, and Midwest). Must be motivated and be willing to travel. Mechanical ability desirable. Send resume or call: Weeds Inc., 520 West Cobbs Creek Parkway, Yeadon, PA 19050. (215)727-5539. 9/89

"Consider all of your employment options in the irrigation and landscape industries. Call **Florapersonnel,** the international employee search firm for the ornamental horticulture industry. Completely confidential. Employer pays fee. **Florapersonnel, Inc.,** P.O. Box 1732, 1450 S. Woodland Blvd., Suite 201, DeLand, FL 32721-1732. (904)738-5151. Jim Bambrick, Jeff Brower, David Shaw, CPC, Bob Zahra, CPC." TF

**LANDSCAPE MANAGEMENT SALESPERSON:** Leading Kansas City Landscape Company has immediate opening for talented, experienced, and aggressive person in Landscape Management Sales. B.S. in Horticulture or related field preferred. Salary, incentive, benefits. Send a resume with experience and salary history to the address listed. **HERMES LANDSCAPING, P.O. BOX 14336, LENEXA, KS 66215. 913-888-2400.** 9/89

Lawn Doctor, Inc. needs a graduate Agronomist with a minimum BS Degree for National staff work with franchises on turf programs, training, safety and regulation. Practical experience with warm season grasses a plus; good communication skills a must. Medium travel from New Jersey Corporate Headquarters. (201)583-3200 or resume/salary history to John Buechner, Lawn Doctor, 73 Atlantic Avenue, Matawan, NJ 07747. 9/89

**GROUNDS MAINTENANCE PRODUCTION MANAGER:** Orlando, Florida Landscape Maintenance firm has position available for proven manager/leader. We are a rapidly growing company needing a team player capable in all areas associated with landscape maintenance. Abilities must include: planning, scheduling, training, purchasing, client relations, and quality control. Starting salary is $30,000 plus. Vehicle and benefits provided. Applicants please respond to LM Box 472. 9/89

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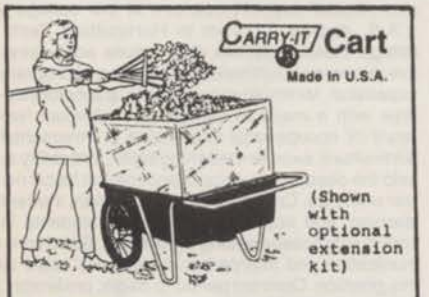


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